



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar road, Nagpur

NAAC Accredited

Session 2022-23 (EVEN)

ACADEMIC CALENDAR

(For B.E./ B. Tech. – VI Sem / VIII Sem)

Sr. No.	Months	Teaching Learning	Date
1	Dec-2022	Faculty Subject Choice	12 th Dec 2022
2		Load Calculation, Departmental Planning and Faculty Requirement	15 th Dec 2022
3		Verification of Classrooms and Laboratories	19 th Dec 2022
4		Stationary/ Equipment Requirement	30 th Dec 2022
5	Jan-2023	Display of Time- Table (6 th and 8 th Sem)	5 th Jan 2023
6		Preparation of Student List and Attendance Register (6 th and 8 th Sem)	9 th Jan 2023
7		Preparation of Lesson Plan/ Teaching Plan	11 th Jan 2023
8		Commencement of Classes (6 th and 8 th Sem)	16 th Jan 2023
9		Student Registration to the Department (6 th and 8 th Sem)	16 th to 30 th Jan 2023
10		Finalization of Elective (6 th and 8 th Sem)	18 th Jan 2023
11		Teacher Guardian Allotment (6 th and 8 th Sem)	20 th Jan 2023
12		Preparation of Course File, Lab Manual etc.	23 rd Jan 2023
13		Republic Day	26 th Jan 2023
14		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	23 rd to 27 th Jan 2023
15		Attendance Review	30 th Jan 2023
16		Monthly Audit/ Student Feedback	31 st Jan 2023
17	Feb-2023	Display of Assignment-I & II, Submission: 06-02-2023	1 st Feb 2023
18		Project Presentation-I	6 th to 11 th 2023
19		Display of Question Bank (6 th and 8 th Sem)	13 th Feb 2023
20		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	13 th to 17 th Feb 2023
21		Sessional-I Exam (6 th and 8 th Sem)	20 st to 24 th Feb 2023
22		Paper Publication in Journal/Conference (8 th sem)	24 th Feb 2023
23		Attendance Review/ Parents Teacher Meeting	27 th Feb 2023
24		Monthly Audit/ Student Feedback	28 th Feb 2023
25	March-2023	Display of Assignment-III & IV, Submission: 06-03-23	1 st March 2023
26		Display of Question Bank (6 th and 8 th Sem)	2 nd March 2023
27		Project Presentation-II	6 th to 10 th March 2023
28		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting/ Forum Installation	13 th to 17 th March 2023
29		Sessional-II Exam (6 th and 8 th Sem)	20 th to 24 th March 2023
30		Attendance Review/ Provisional Student Detention List	29 th March 2023
31		Monthly Audit/ Student Feedback	31 st March 2023
32		Display of Assignment-V & VI, Submission: 11-03-23	4 th April 2023
33	April-	Display of Question Bank (6 th and 8 th Sem)	7 th April 2023

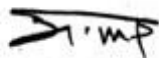
34	2023	Project Presentation-III	10 th to 14 th April 2023
35		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	17 th to 21 st April 2023
36		Attendance Review/ Final Student Detention List	25 th April 2023
37		Monthly Audit/ Student Feedback	28 th April 2023
38	May-	Internal Practical (6 th and 8 th Sem)	1 st to 5 th May 2023
39	2023	PUT Exam (6 th and 8 th Sem)	8 th to 12 th May 2023

Note: - Above mentioned date are subject to change due to unavailable circumstances.



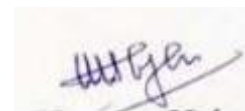
Prof. Neha Chourasia

Associate Dean (Academics)



Prof. Rajendra Bhombe

Vice- Principal



Dr. Hemant Hajare

Principal



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur

NAAC Accredited

Session 2023-24 (ODD)

Date: 26.06.2023

ACADEMIC CALENDAR

(For B.E. / B. Tech. –VII Sem)

Original

Sr.No.	Teaching Learning	Date
1	Faculty Subject Choice	12/06/2023
2	Load Calculation, Department Planning and Faculty Requirement	13/06/2023
3	Verification of Classrooms and Laboratories	14/06/2023
4	Stationary/ Equipment Requirement	15/06/2023
5	Finalization of 7 th Sem project group & Allotment of Project Guide	16/06/2023
6	Display of Time- Table Preparation	19/06/2023
7	Student List and Attendance Register (7 th sem)	21/06/2023
8	Preparation of lesson Plan/ Teaching plan	22/06/2023
9	Commencement of Classes	26/06/2023
10	Student Registration to the department	26/6/2023 to 10/7/2023
11	Finalization of Electives (7 th Sem) + Project	26/06/2023 to 30/6/2023
12	Teacher Gordian Allotment	28/06/2023
13	Preparation of Course File, Lab Manual etc.	3/7/2023
14	Industrial Visit/ III Cell Activity/ T & P Activity/ TGM	5/7/2023-12/7/2023
15	Attendance Review	21/7/2023
16	Student Feedback	24/7/2023
17	Monthly Audit/Finalization of 7 th sem Project with Title & Industry Tie up	26/7/2023
18	Display of Assignment-I & II, Submission date: 3/8/23	27/7/2023
19	Display of Question Bank	28/7/2023
20	Sessional-I Exam	3/8/2023 to 9/8/2023
21	Project Presentation-I	10/8/2023-11/8/2023
22	Display of Result (Sessional-I) & Send Letter to Parents	14/8/2023
23	Synopsis Submission	17/8/2023
24	Attendance Review/ Parents Teacher Meeting	18/8/2023
25	Monthly Audit/ Students Feedback	24/8/2023
26	Display of Assign-III & IV, Submission date: 1/9/23	25/8/2023
27	Industrial Visit/ III Cell Activity/ T & P Activity/ TGM	21/8/2023-31/8/2023
28	Display of Question Bank	1/9/2023
29	Project Presentation-II	11/9/2023-12/9/2023
30	Sessional-II Exam	4/9/2023-8/9/2023
31	Attendance Review/Display of Provisional Detention List	6/9/2023
32	Display of Result (Sess.- II) & Send Letter to Parents	11/9/2023
33	Parents Teacher Meeting	12/9/2023
34	Monthly Audit/ Students Feedback	26/9/2023
35	Conduction of Remedial Classes for Slow Learner Students	11/9/2023-13/9/2023
36	Industrial Visit/ III Cell Activity/ TGM	25/9/2023-29/9/2023
37	Submission of Final Students Detention List	22/9/2023
38	Last Teaching Day & Display of Question Bank	29/9/2023
39	PUT Exam./ Internal Practical Exam	3/10/2023 to 9/10/2023
40	Student feedback by HoD	9/10/23
41	Display of Result (PUT) & Send Letter to Parents	12/10/23

Note: - Above mentioned date are subject to change due to unviable circumstances.

Dr. Satichandra Ragit
Dean Academics (Associate)

Prof. Rajendra Bhombe
Vice-Principal

Dr. Hemant Hajare
Principal



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Session 2022-23(Even)

SESSIONAL 2

Time Table

EXAM VI SEM

Date: 20/03/2023

Day	Date	Time	Subject
Mon.	20/03/2023	11.45am-12.45pm	Compiler Design
Tue.	21/03/2023	11.45am-12.45pm	IOT
Thu.	23/03/2023	10.00am-11.00am	DOS
Fri.	24/03/2023	10.45am-11.45am	Economic in IT
Mon.	27/03/2023	1.30pm-02.30pm	Open Elective

Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.

Prof. M. Shringare
Sessional In-charge

Dr. B. Timande
Head of Department



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23 (Even)
SESSIONAL 2
Time Table**

EXAM VIII SEM

Date: 20/03/2023

Day	Date	Time	Subject
Mon.	20/03/2023	11.45am-12.45pm	CCC
Tue.	21/03/2023	11.45am-12.45pm	DF
Thu.	23/03/2023	10.45am-11.45am	ICS
Fri.	24/03/2023	10.45am-11.45am	DOS

Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.

Prof. M. shrungare
Sessional In-charge

Dr. B. Timangle
Head of Department

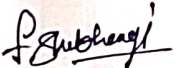



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)
Pre-University Test (PUT) EXAM
&
INTERNAL PRACTICAL EXAM
Time Table

Date: 17/04/2023

Day	Date	Time	Theory/ Practical	VIII
Monday	24/04/2023	10.00am-1.00pm	Theory	Distributed Operating System
		1:30pm- 3:30pm	Practical	Distributed Operating System
Tuesday	25/04/2023	10.00am-1.00pm	Theory	Information & Cyber Security
		1:30pm- 3:30pm	Practical	Information & Cyber Security
Wednesday	26/04/2023	10.00am-1.00pm	Theory	Clustering & Cloud Computing
		1:30pm- 3:30pm	Practical	Project/Seminar
Thursday	27/04/2023	10.00am-1.00pm	Theory	Digital Forensic

- Note:**
Instruction of PUT Examination Summer 2023
- *Theory Exam time will be 3 hour.*
 - *Theory paper will be 80 marks.*
 - *Practical exam will be conducted.*
 - *Practical exam will be 25 marks.*
 - *Students have to properly maintain their lab manual properly with index and certificates.*
 - *For project you have to come with PPT of your project and thesis and with complete Execution of Your Project*


Prof. Mayuri Shringare
Exam In-charge


Dr. B. B. Manande
Head of Department
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)
Pre-University Test (PUT) EXAM
&
INTERNAL PRACTICAL EXAM
Time Table

Date: 17/04/2023

Day	Date	Time	Theory/ Practical	VI
Monday	24/04/2023	10.00am-1.00pm	Theory	Compiler Design
		1:30pm- 3:30pm	Practical	Compiler Design
Tuesday	25/04/2023	10.00am-1.00pm	Theory	IOT
		1:30pm- 3:30pm	Practical	Professional Skill-II
Wednesday	26/04/2023	10.00am-1.00pm	Theory	Distributed Operating System
		1:30pm- 3:30pm	Practical	Hardware
Thursday	27/04/2023	10.00am-1.00pm	Theory	Open Elective
		1:30pm- 3:30pm	Practical	Project/Seminar
Friday	28/04/2023	10.00am-1.00pm	Theory	Economic in IT

Note:

Instruction of PUT Examination Summer 2023

- *Theory Exam time will be 3 hour.*
- *Theory paper will be 70 marks.*
- *Practical exam will be conducted.*
- *Practical exam will be 25 marks.*
- *Students have to properly maintain their lab manual properly with index and certificates.*
- *For project you have to come with PPT of your project and thesis and with complete Execution of Your Project*

Prof. Mayuri Shrungare
Exam In-charge

Dr. B. Umade
Head of Department

Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur



Sr. No.	Name of Branch	Day	Monday	Wednesday	Friday	Monday	Wednesday
		Date	15-05-2023	17-05-2023	19-05-2023	22-05-2023	24-05-2023
6	Mechanical Engineering		Automation in Production	Industrial Management	Energy Conversion – III	Elective –II 1. Finite Element Method 2. Computer Integrated Manufacturing 3. Industrial fluid Power 4. Management Information Systems 5. Refrigeration & Air Conditioning 6. Stress Analysis Elective –III 1. Pattern Recognition 2. Parallel Computing 3. Bio Informatics 4. Web Data Management 5. Human Computer Interface	Elective –III 1. Advanced Manufacturing Techniques 2. Machine Tool Design 3. Renewable Energy Systems 4. Mechanical Vibrations 5. Advance I.C. Engine 6. Tribology
7	Computer Technology		Data Warehousing & Mining	Cyber & Information Security		Elective –IV 1. Computational Geometry 2. Cloud Computing 3. Digital Forensic 4. Cognitive Science 5. Digital Image Processing	Elective –IV 1. Computational Geometry 2. Cloud Computing 3. Digital Forensic 4. Cognitive Science 5. Digital Image Processing
8	Computer Engineering		UNIX & Shell Programming	Distributed Systems & Grid Computing		Elective –III 1. Wireless Communication & Mobile Computing 2. Software Testing & Quality Assurance 3. Bio-Informatics & Cyber Security	Elective –IV 1. Real Time Systems 2. Expert System Design 3. Multimedia System
9	Information Technology		Gaming Architecture & Programming	Distributed Systems		Elective –III 1. Embedded Systems 2. Digital Image Processing 3. Pattern Recognition 4. Machine Learning	Elective –IV 1. Cyber Security 2. Cloud Computing 3. E- Commerce & Enterprise Resource Planning 4. Wireless Sensor Networks
10	Power Engineering		Switchgear & Protection	Industrial Management	Power plant Erection & Commissioning	Power plant Maintenance Practices	Elective –I 1. Renewable Energy Systems 2. Operations Research 3. Material Handling System
11	Aeronautical Engineering		Air Transportation	Vibration & Aero elasticity	Elective –I 1. Theory of Elasticity 2. Optimization Techniques 3. Reliability Centered Maintenance 4. Aircraft Mechanism- Analysis & Synthesis	Elective –II 1. Finite Element Method 2. Airframe Maintenance & Repair 3. Aero-Engine Maintenance & Repair 4. Flight Dynamics	Elective –III 1. Experimental Stress Analysis 2. Fatigue & Fracture 3. Computational Fluid Dynamics

GENERAL INSTRUCTIONS FOR SEATING ARRANGEMENT

The name of the College Centre is already Printed on the Admission Card of each Candidate. However, it is notified for general information of the Candidates that:-
 The seating arrangement for the Centre will be notified separately seven days prior to the Commencement of the written examination at the respective College / Centre. The Candidates concerned will also be able to get the necessary information from that chart of seating arrangement sent to the concerned College by University

Nagpur
Date: 10-04-2023

(Dr. Prafulla M. Sable)
 Director
 Board of Examination & Evaluation
 Rashtrasant Tukadoji Maharaj University, Nagpur



B.E Eighth Sem. (CBS), SUMMER 2023
(153 TO 163)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
B. E. EIGHTH SEMESTER (CREDIT BASED SYSTEMS) EXAMINATION OF SUMMER 2023
PROGRAMME: WRITTEN

Time: 02.30 P.M. To 05.30 P.M.

Sr. No.	Name of Branch	Day	Monday	Wednesday	Friday	Monday	Wednesday
		Date	15-05-2023	17-05-2023	19-05-2023	22-05-2023	24-05-2023
1	Civil Engineering		Irrigation Engineering		Construction Economics & Finance	Elective – II 1. Advanced Structural Analysis 2. Pre-Stressed Concrete 3. Pavement Analysis & Design 4. Watershed Management 5. Environment Management System 6. Water Transmission & Distribution System 7. Geotechnical Investigation & Ground Improvement Techniques 8. Advanced Engineering Geology 9. Water Power Engineering 10. Forensic Civil Engineering 11. Disaster Response & Management Techniques	Elective – III 1. Advanced Geotechnical Engineering 2. Advanced Concrete Technology 3. Advanced Reinforced Cement Concrete Design 4. Advanced Steel Design 5. Water & Waste Water Treatment 6. Applied Remote Sensing & GIS
2	Electronics Engineering		Microelectromechanical System & System on Chip	Computer Communication Network	CMOS VLSI Design	Elective – II 1. Wireless Sensor Network 2. Nanotechnology 3. Fuzzy Logic & Neural Networks 4. Satellite Communication	Elective – III 1. Artificial Intelligence 2. Robotics & Automation 3. Speech Processing 4. Data Compression & Encryption
3	Electrical Engineering (Electronics & Power)		Switchgear & Protection	Computer Applications in Power System		Elective – I 1. Entrepreneurship Development 2. Digital Signal Processing 3. Power Quality 4. EHV AC & HVDC Transmission	Elective – III 1. Bio-Medical Engineering 2. Advanced Microprocessor Peripherals 3. power Semiconductor Based Electric Drives 4. Electrical Distribution System
4	Elect. & Telecommunication / Elect. & Communication Engineering		Microwave & Radar Engineering	Computer Communication Network	Wireless & Mobile Communication	Elective – I 1. Wireless Sensor Network 2. Embedded System 3. Digital Image Processing 4. Artificial Intelligence	Elective – III 1. Random Signal Theory 2. Robotics & Automation 3. Satellite Communication 4. CMOS VLSI Design
5	Computer Science & Engineering		Distributed Operating System	Information & Cyber Security		Elective – II 1. Pattern Recognition 2. Soft Computing Tech. 3. Optimization Techniques 4. Clustering & Cloud Computing	Elective – IV 1. Advance Wireless Sensor Network 2. Digital Image Processing 3. Natural Language Processing 4. Digital Forensic

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Centre-312

Examination: - VI Sem (C.B.S.) B.E. Computer Science and Engineering (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Design Patterns		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Wednesday 03 May 2023	9.30 am to 04.30 pm	02
Computer Networks		Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Thursday 04 May 2023	9.30 am to 04.30 pm	02
Mini Project		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Saturday 06 May 2023	9.30 am to 04.30 pm	02

HOD (CSE)


GNIET, Nagpur

Principal
GNIET, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Examination: - VI Sem (C.B.C.S.) B.Tech. Computer Science and Engineering (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Centre-312

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Compiler Design		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Wednesday 03 May 2023	9.30 am to 04.30 pm	71
Professional Skill		Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Thursday 04 May 2023	9.30 am to 04.30 pm	71
Hardware		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Friday 05 May 2023	9.30 am to 04.30 pm	71
Mini Project		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Saturday 06 May 2023	9.30 am to 04.30 pm	71


HOD (CSE)
GNIEET, Nagpur

Principal
GNIEET, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Examination: - VIII Sem (C.B.S.) B.E. Information Technology (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Centre-312

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Distributed Systems		Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Wednesday 03 May 2023	9.30 am to 04.30 pm	01
Gaming Architecture And Programming		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Thursday 04 May 2023	9.30 am to 04.30 pm	01
Project		Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Saturday 06 May 2023	9.30 am to 04.30 pm	01


HOB (GSE)
GNIET, Nagpur

Principal
GNIET, Nagpur



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)**

VI SEM

EXTERNAL PRACTICAL EXAM

Time Table

Date: 23/04/2023

Day	Date	Time	VI
Wed.	03/05/2023	10:00am- 4:00pm	Compiler Design
Thu.	04/05/2023	10:00am- 4:00pm	Professional Skills
Fri.	05/05/2023	10:00am- 4:00pm	Hardware
Sat.	06/05/2023	10:00am- 4:00pm	Mini Project & Seminar

Note:

Instruction of External Practical Examination Summer 2023

- *Practical exam will be conducted.*
- *Practical exam will be 25 marks.*
- *Students have to properly maintain their lab manual properly with index and certificates.*
- *For project you have to come with PPT of your project and thesis and with complete Execution of Your Project*

**Prof. Mayuri Shrubgare
Exam In-charge**

**Dr. B. Jirande
Head of Department**

**Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)**

**VI SEM
EXTERNAL PRACTICAL EXAM
Time Table**

Date: 28/04/2023

Day	Date	Time	VI
Wed.	03/05/2023	10:00am- 4:00pm	Compiler Design
Thu.	04/05/2023	10:00am- 4:00pm	Professional Skills
Fri.	05/05/2023	10:00am- 4:00pm	Hardware
Sat.	06/05/2023	10:00am- 4:00pm	Mini Project & Seminar

Note:

Instruction of External Practical Examination Summer 2023

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**Prof. Mayuri Shrubgare
Exam In-charge**

**Dr. B. J. Jindade
Head of Department**

**Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)**

**VI SEM
EXTERNAL PRACTICAL EXAM**

Time Table

Date: 28/04/2023

Day	Date	Time	VI
Wed.	03/05/2023	10:00am- 4:00pm	Compiler Design
Thu.	04/05/2023	10:00am- 4:00pm	Professional Skills
Fri.	05/05/2023	10:00am- 4:00pm	Hardware
Sat.	06/05/2023	10:00am- 4:00pm	Mini Project & Seminar

Note:

Instruction of External Practical Examination Summer 2023

- *Practical exam will be conducted.*
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**Prof. Mayuri Shrubgare
Exam In-charge**

**Dr. B. Vinande
Head of Department**

**Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)**

**VI SEM
EXTERNAL PRACTICAL EXAM
Time Table**

Date: 28/04/2023

Day	Date	Time	VI
Wed.	03/05/2023	10:00am- 4:00pm	Compiler Design
Thu.	04/05/2023	10:00am- 4:00pm	Professional Skills
Fri.	05/05/2023	10:00am- 4:00pm	Hardware
Sat.	06/05/2023	10:00am- 4:00pm	Mini Project & Seminar

Note:

Instruction of External Practical Examination Summer 2023

- *Practical exam will be conducted.*
- *Practical exam will be 25 marks.*
- *Students have to properly maintain their lab manual properly with index and certificates.*
- *For project you have to come with PPT of your project and thesis and with complete Execution of Your Project*

**Prof. Mayuri Shrubgare
Exam In-charge**

**Dr. B. Timande
Head of Department**

**Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(EVEN)**

VIII SEM

EXTERNAL PRACTICAL EXAM

Time Table

Date: 28/04/2023

Day	Date	Time	VIII
Wed.	03/05/2023	10:30am- 4:00pm	Distributed Operating System
Thu.	04/05/2023	10:30am- 4:00pm	Information & Cyber Security


Note:

Instruction of External Practical Examination Summer 2023

- *Practical exam will be conducted.*
- *Practical exam will be 25 marks.*
- *Students have to properly maintain their lab manual properly with index and certificates.*

*Note: - Ext. Pract. Exam of project will be held
after University examination.*


Prof. Mayuri Shrubgare
Exam In-charge


Dr. B. Timande
Head of Department
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Centre-312

Examination: - VI Sem (C.B.S.) B.E. Computer Science and Engineering (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dabegaon, Nagpur-441501

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Design Patterns	M. P. Yadav, PCE Nagpur	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Wednesday 03 May 2023	9.30 am to 04.30 pm	02
Computer Networks	A. U. Gabbarbani NIT Nagpur	Ms. V. Kamble satramyijaya@gmail.com 500/C/648 9850917133	Thursday 04 May 2023	9.30 am to 04.30 pm	02
Mini Project	M. Ganesch PCE Nagpur	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Saturday 06 May 2023	9.30 am to 04.30 pm	02

Asstt. Registrar (Cont.)
Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23


Form No.13

CONFIDENTIAL

Centre-312

Examination: - VI Sem (C.B.C.S.) B.Tech. Computer Science and Engineering (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Compiler Design	M. Aolfe, PCE Nagpur 8806602718	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Wednesday 03 May 2023	9.30 am to 04.30 pm	71
Professional Skill	A.U. Gachharwasti, NIT Nagpur 9420525127	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Thursday 04 May 2023	9.30 am to 04.30 pm	71
Hardware	Alok Chaudhari, RCCEK Nagpur 9970468839	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Friday 05 May 2023	9.30 am to 04.30 pm	71
Mini Project	V. Ganesh, PCE Nagpur 976466930.	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Saturday 06 May 2023	9.30 am to 04.30 pm	71


Asstt. Registrar (Contd.)
Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23


Form No.13

CONFIDENTIAL

Centre-312

Examination: - VIII Sem (C.B.S.) B.E. Computer Science and Engineering (Summer-2022-23)
 Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Distributed Operating Systems	V.P. Yadav, REC Nagpur 9096927270	Ms. V. Kambale sairamvijaya@gmail.com 500/C/648 9850917133	Wednesday 03 May 2023	9.30 am to 04.30 pm	62
Information & Cyber Security	Ashok Chauran, REC Nagpur 9970468889	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Thursday 04 May 2023	9.30 am to 04.30 pm	62
Project		Ms. V. Kambale sairamvijaya@gmail.com 500/C/648 9850917133	Saturday 06 May 2023	9.30 am to 04.30 pm	62


 Asstt. Registrar (Exam.)
 Rashtrasant Tukadoji Maharaj
 Nagpur University, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Centre-312

Examination: - VIII Sem (C.B.S.) B.E. Information Technology (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Distributed Systems	R. Chaudhary 93217 Nagpur	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Wednesday 03 May 2023	9.30 am to 04.30 pm	01
Gaming Architecture And Programming	Sarvam Chopde, SBJIT Nagpur 9322898175	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Thursday 04 May 2023	9.30 am to 04.30 pm	01
Project		Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Saturday 06 May 2023	9.30 am to 04.30 pm	01

Asstt. Registrar (Conf.)
Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

Form No.13

CONFIDENTIAL

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Examination: - IV Sem (C.B.C.S.) B.Tech. Computer Science and Engineering (Summer-2022-23)**Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501**

Centre-312

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Data Structure and Program Design	A. Razzaque, AET Nagpur 983402518	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Monday 29 May 2023	9.30 am to 04.30 pm	73
Database Management System	P. H. Goudarbhon, PCE Nagpur 9922738489	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Tuesday 30 May 2023	9.30 am to 04.30 pm	73
Computer workshop-II	S. D. Rade, NIT Nagpur 8007733018	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Wednesday 31 May 2023	9.30 am to 04.30 pm	73



Asstt. Registrar (Cont.)
Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Examination: - VII Sem (C.B.S.) B.E. Computer Science and Engineering (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Centre-312

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Data Warehousing and Mining	R. Chaudhary, SBIIT Nagpur 8999499875	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Tuesday 06 June 2023	9.30 am to 04.30 pm	03
Language processor	M. Muresar, MIT Nagpur 7875805310	Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533	Wednesday 07 June 2023	9.30 am to 04.30 pm	03
Project and seminar	Dr. Mrs. Khate, ACEIT Nagpur 9822091923	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Thursday 08 June 2023	9.30 am to 04.30 pm	03

Aesht Registrar (Cont.)

Rashtrasant Tukadoji Maharaj

Nagpur University, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23


Form No.13

CONFIDENTIAL

Examination: - VIII Sem (C.B.S.) B.E. Information Technology (Summer-2022-23)
Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Centre-312

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Project	V. Yadav, RCE Nagpur 9096927270.	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Thursday 08 June 2023	9.30 am to 04.30 pm	01


Asstt. Registrar (Conf.)
Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

List of the Examiners at the Practical Examinations, Summer-2022-23

Form No.13

CONFIDENTIAL

Examination: - VIII Sem (C.B.S.) B.E. Computer Science and Engineering (Summer-2022-23)

Centre: Guru Nanak Institute of Engineering and Technology, Dahegaon, Nagpur-441501

Centre-312

Subject	External Examiner	Internal Examiner	Days & Dates	Time	Total No. of Students
Project	Dr. W. S. Khatib, ACEE Nagpur 9823091923	Ms. V. Kamble sairamvijaya@gmail.com 500/C/648 9850917133	Thursday 08 June 2023	9.30 am to 04.30 pm	62
		Ms. K. Malpe Kmalpe@gmail.com 562/C/139 8767312533			

Asstt. Registrar (Cont.)

Rashtrasant Tukadoji Maharaj

Nagpur University, Nagpur



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Session 2023-24 (ODD)

SESSIONAL 1

Time Table


EXAM VII SEM


Date: 27 /08/2023


Day	Date	Time	Subject
THU	03/08/2023	12.15pm-01.15pm	Cryptography & Network Security
FRI	04/08/2023	12.15pm-01.15pm	Optimization Techniques
MON	07/08/2023	12.15pm-01.15pm	Mobile Computing
TUE	08/08/2023	12.15pm-01.15pm	Power Transformer Engineer

Note:

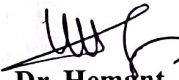
- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.


**Prof. Mayuri
Shrungare
Sessional In-
charge**


**Dr. Balram
Timande
HoD CSE**
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur


**Dr. Satishchandra
Ragit
Academic Dean**

**Prof. Rajendra
Bhombe
Vice-Principal**


**Dr. Hemant
Hajare
Principal**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Session 2023-24(ODD)

SESSIONAL-1

Time Table


EXAM V SEM


Date: 09/08/2023

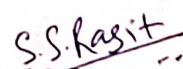
Day	Date	Time	Subject
Fri	11/08/2023	12.15pm-01.15pm	DAA
Mon.	14/08/2023	12.15pm-01.15pm	SEPM
Thu.	17/08/2023	12.15pm-01.15pm	DP
Fri	18/08/2023	12.15pm-01.15pm	ETC (Communication)
Mon	21/08/2023	12.15pm-01.15pm	AI

Note:


- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 30, Time: 1Hr.


**Prof. Mayuri
Shrungare
Sessional In-
charge**


**Dr. Balram
Timande
HoD CSE**


**Dr. Satishchandra
Ragit
Academic Dean**


**Prof. Rajendra
Bhombe
Vice-Principal**


**Dr. Hemant
Hajare
Principal**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Session 2023-24(ODD)

SESSIONAL 2

Time Table

EXAM V SEM

Date: 29/09/2023

Day	Date	Time	Subject
Mon	04/09/2023	12.15pm-01.15pm	Artificial Intelligence
Tue	05/09/2023	Teachers Day Celebration	
Wed	06/09/2023	12.15pm-01.15pm	Design Analysis Algorithms
Thu	07/09/2023	12.15pm-01.15pm	Software Engineering & Project Management
Fri	08/09/2023	12.15pm-01.15pm	Design Pattern

Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 30, Time: 1Hr.

**Prof. Mayuri
Shrungare
Sessional In-
charge**

**Dr. Balkam
Timande
HoD CSE**

**Dr. Satishchandra
Ragit
Academic Dean**

**Prof. Rajendra
Bhombe
Vice-Principal**

**Dr. Hemant
Hajare
Principal**



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24 (ODD)
SESSIONAL 2
Time Table**


EXAM VII SEM


Date: 29 /08/2023

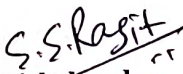
Day	Date	Time	Subject
Mon	04/09/2023	12.15pm-01.15pm	Cryptography & Network Security
Tue	05/09/2023	Teachers Day Celebration	
Wed	06/09/2023	12.15pm-01.15pm	Optimization Techniques
Thu	07/09/2023	12.15pm-01.15pm	Mobile Computing
Fri	08/09/2023	12.15pm-01.15pm	Power Plant Engineering

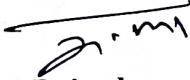
Note:


- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 30, Time: 1Hr.


**Prof. Mayuri
Shrungare
Sessional In-
charge**


**Dr. Balram
Timande
HoD CSE**


**Dr. Satishchandra
Ragit
Academic Dean**


**Prof. Rajendra
Bhombe
Vice-Principal**


**Dr. Hemant
Hajare
Principal**



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24(ODD)
SESSIONAL-1
Time Table


EXAM III SEM


Date: 18/09/2023


Day	Date	Time	Subject
Thu	27/09/2023	12.15pm-01.15pm	M-III
Fri	29/09/2023	12.15pm-01.15pm	OOPS
Tue	03/10/2023	12.15pm-01.15pm	OS
Wed	04/10/2023	12.15pm-01.15pm	CADS
Thu	05/10/2023	12.15pm-01.15pm	EIT
Fri	06/10/2023	12.15pm-01.15pm	UHV

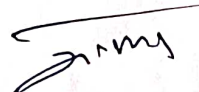
Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 30, Time: 1Hr.


**Prof. Mayuri
Shrungare
Sessional In-
charge**


**Dr. Balram
Timande
HOD CSE**


**Dr. Satischandra
Ragit
Academic Dean**


**Prof. Rajendra
Bhombe
Vice-Principal**


**Dr. Hemant
Hajare
Principal**



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24(ODD)
Pre-University Test (PUT) EXAM
&
INTERNAL PRACTICAL EXAM
Time Table

Date: 10/10/2023

Day	Date	Time	Theory/ Practical	VII
Monday	16/10/2023	10.00am-1.00pm	Theory	Cryptography & Network System
		2:00pm- 5:00pm	Practical	Cryptography & Network System
Tuesday	17/10/2023	10.00am-1.00pm	Theory	Mobile Computing
		2:00pm- 5:00pm	Practical	Project (G1 to G5)
Wednesday	18/10/2023	10.00am-1.00pm	Theory	Optimization Technique
		2:00pm- 5:00pm	Practical	Project(G6 to G10)
Thursday	19/10/2023	10.00am-1.00pm	Theory	Power Plant Engineering
		2:00pm- 5:00pm	Practical	Project(G11 to G15)

Note:

Instruction of PUT Examination Winter 2023

- Theory Exam time will be 3 hour.
- Theory paper will be 70 marks.
- Practical exam will be conducted.
- Practical exam will be 25 marks.
- Students have to properly maintain their lab manual properly with index and certificates.
- For project you have to come with PPT of your project and thesis and with complete Execution of Your Project

Prof. Mayuri
Shrungare
Sessional I/C

Dr. Balram Pimande
HoD CSE

Dr. Satishchandra
Ragit
Academic Dean

Prof. Rajendra
Bhombe
Vice-Principal

Dr. Hemant Hajare
Principal

Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24(ODD)
Pre-University Test (PUT) EXAM
&
INTERNAL PRACTICAL EXAM
Time Table

Date: 10/10/2023

Day	Date	Time	Theory/ Practical	VII
Monday	16/10/2023	10.00am-1.00pm	Theory	Cryptography & Network System
		2:00pm- 5:00pm	Practical	Cryptography & Network System
Tuesday	17/10/2023	10.00am-1.00pm	Theory	Mobile Computing
		2:00pm- 5:00pm	Practical	Project (G1 to G5)
Wednesday	18/10/2023	10.00am-1.00pm	Theory	Optimization Technique
		2:00pm- 5:00pm	Practical	Project(G6 to G10)
Thursday	19/10/2023	10.00am-1.00pm	Theory	Power Plant Engineering
		2:00pm- 5:00pm	Practical	Project(G11 to G15)

Note:

1. Instruction of PUT Examination Winter 2023

- Theory Exam time will be 3 hour.
- Theory paper will be 70 marks.
- Practical exam will be conducted.
- Practical exam will be 25 marks.
- Students have to properly maintain their lab manual properly with index and certificates.
- For project you have to come with PPT of your project and thesis and with complete Execution of Your Project

Prof. Mayuri
Shrungare
Sessional I/C

Dr. Balram Timande
HOD CSE
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur

Dr. Satishchandra
Ragit
Academic Dean

Prof. Rajendra
Bhombe
Vice-Principal

Dr. Hemant Hajare
Principal



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24(ODD)

EXTERNAL PRACTICAL EXAM
Time Table

Date: 05/12/2023

Day	Date	Time	VII
Wed	06/12/2023	10:3am- 5:00pm	Cryptography & Network System
Thu	07/12/2023	10:3am- 5:00pm	Project

Dr. Balram Timande
HoD CSE

Prof. Rajendra Bhombe
Vice-Principal

Dr. Hemant Hajare
Principal



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24(ODD)

EXTERNAL PRACTICAL EXAM
Time Table

Date: 05/12/2023

Day	Date	Time	V
Wed	06/12/2023	10:3am- 5:00pm	Artificial Intelligence
Thu	07/12/2023	10:3am- 5:00pm	Data Analysis & Algorithm
Fri	08/12/2023	10:3am- 5:00pm	Professional Skills

Dr. Balram Timande
HoD CSE

Prof. Rajendra Bhombe
Vice-Principal

Dr. Hemant Hajare
Principal

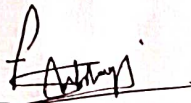


**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2023-24(ODD)**

**EXTERNAL PRACTICAL EXAM
Time Table**

Date: 05/12/2023

Day	Date	Time	III
Wed	06/12/2023	10:3am- 5:00pm	Object Oriented Programming with JAVA
Thu	07/12/2023	10:3am- 5:00pm	Operating System
Wed	08/12/2023	10:3am- 5:00pm	Computer workshop-1


Dr. Balram Timande
HoD CSE


Prof. Rajendra Bhombe
Vice-Principal


Dr. Hemant Hajare
Principal



Department of Applied Sciences & Humanities

B.Tech First Year

(Session 2022-23)

Mechanism of internal assessment is transparent and robust in terms of frequency and mode

- Academic calendars
- Notices regarding internal examinations
- Exam Time tables



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
 Dahegaon, Kalmeshwar Road, Nagpur - 441501
 Session 2022-23
 Department of Applied Sciences & Humanities

International Conferences (July 2022- June 23)

Sr.No	Name of Authors	Title of Paper	Name of Journal, Vol/Issue,Page No./Link
		Effect of Diethyl ether additives to improve emission characteristics of GSOME & its respective blends operated in VCR Diesel Engine	4 th International Conference on Recent Advancement of Mechanical Engineering (ICRAME-2023) Department of Mechanical Engineering I T, Silchar Dates: 3 rd -5 th February 2023
1	Dr. Satish Chandra Ragit	Effect of compression ratio on an/exhaust emission study of I C Engine fueled with blends of GSOME & diesel to reduce environmental pollution Design Engineering (MATHED-2023), Department of Mechanical Engineering I T, Hamirpur Dates:15 th -17 th February 2023	International Conference on Emerging Aspects of Manufacturing , Thermal & Design Engineering (MATHED-2023), Department of Mechanical Engineering I T, Hamirpur Dates:15 th -17 th February 2023
		Performance evaluation of VCR diesel engine using different blends of Grape seed oil methyl ester (GSOME) as a fuel supplement Department of Production and Industrial Engineering, N I T, Jalandhar Dates: 10 th -12 th March 2023	7 th International Conference on Production & Industrial Engineering (CPIE-2023), Department of Production and Industrial Engineering, N I T, Jalandhar Dates: 10 th -12 th March 2023



Guru Nanak Educational Society's
**GURU NANAK INSTITUTE
 OF ENGINEERING & TECHNOLOGY**

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 Dahegaon, Opp IOC Petrol pump, Kalmeshwar Road, Nagpur- 441501 Ph. 07118-661400
 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
 Dahegaon, Kalmeshwar Road, Nagpur- 441501
DEPARTMENT OF APPLIED SCIENCE & HUMANITIES
B. TECH. FIRST YEAR
Session 2022-2023 (EVEN)
ACADEMIC CALENDAR

Date : 03/04/2023

Days							Working Days	Activities
MON	TUES	WED	THURS	FRI	SAT	SUN		
					1	2	0	3 rd April, Faculty Contact Hour Finalization
3	4	5	6	7	8	9	0	5 th April, Load Calculation, Departmental planning & Faculty Requirement
10	11	12	13	14	15	16	5	7 th April Preparation of Lesson plan/ Teaching Plan
17	18	19	20	21	22	23	6	10 th April, Commencement of Classes
24	25	26	27	28	29	30	6	12 th April, Display of Schedule for Value Added Course
								18 th April Forum Installation
								26 th April, Display of Question Bank & Sessional-1 Time Table
								28 th April Industrial Visit
1	2	3	4	5	6	7	4	2 nd May, Display of Assignment -I , Submission on 5/05/23
8	9	10	11	12	13	14	6	2 nd May, Display of Students Monthly Attendance (April)
15	16	17	18	19	20	21	6	2 nd May, Review of Syllabus/ Display schedule of Remedial classes
22	23	24	25	26	27	28	6	9 th To 17 th Sessional -I
29	30	31					6	12 th May Guest Lecture
							3	29 th May, result of sessional 1
								29 th May, Display of Question Bank & PUT Time Table
								29 th , 30 th , 31 st May & 1 st June Internal Practical
			1	2	3	4	3	2 nd June Display of Students Monthly Attendance (May)
5	6	7	8	9	10	11	6	2 nd June Students Activity under Forum
12	13	14	15	16	17	18	5	Review of Syllabus
19	20	21	22	23	24	25	5	5 th to 12 th June PUT Examination
26	27	28	29	30			0	15 th June Monthly Audit/ Student Feedback
							0	16 th June Last working Day
								RTMNU External Practical Exam (As per University Time Table)
								RTMNU External Exam (As per University Time Table)
							56	Total Working Days

List of Holidays	
April	Mahavir Jayanti
April	Dr. Ambedkar Jayanti
May	Maharashtra din
May	Buddhapornima
June	Aashadi Ekadashi

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1. Principal, GNIET
2. Vice-Principal, GNIET
3. Associate Dean Academic
4. Circulate among FY faculties
5. Notice Board

Prof.Sadaf Gauhar
HoD, ASH, GNIET
 HOD
 Department of Applied
 Science & Humanities
 GNIET Nagpur



Guru Nanak Educational Society's
**GURU NANAK INSTITUTE
 OF ENGINEERING & TECHNOLOGY**

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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
 Dahegaon, Kalmeshwar Road, Nagpur- 441501
DEPARTMENT OF APPLIED SCIENCE & HUMANITIES
B. TECH. FIRST YEAR
Session 2022-2023 (ODD)
ACADEMIC CALENDAR

Date : 4/11/2022

Days							Working Days	Activities
MON	TUES	WED	THURS	FRI	SAT	SUN		
	1	2	3	4	5	6	0	9/11/22 Faculty Contact Hour Finalization
7	8	9	10	11	12	13	0	10 th nov Load Calculation, Departmental planning & Faculty Requirement
14	15	16	17	18	19	20	2	11 th nov. Verification of classrooms and Laboratories
21	22	23	24	25	26	27	5	16 th Nov. Preparation of Lesson plan/ Teaching Plan
28	29	30					3	17/11/22 Commencement of Classes
								17 Nov to 7 Dec Student Induction Program
								17/11/22 Display of Time Table
			1	2	3	4	2	6 th Dec. Preparation of student list & Attendance resister
5	6	7	8	9	10	11	5	12 th Dec. Teacher Guardian Allotment
12	13	14	15	16	17	18	5	28/12/22 Display of Assignment -I, Submission on 4/1/23
19	20	21	22	23	24	25	5	26 th Dec. Display of Question Bank & Sessional Time Table
26	27	28	29	30	31		5	
						1	0	2 nd To 9 th Sessional -I
2	3	4	5	6	7	8	5	10 th to 13 th Jan Industrial visit/ TG Meeting/ IIC Activity
9	10	11	12	13	14	15	5	20/1/23 Guest Lecture
16	17	18	19	20	21	22	5	23/1/23 Display of Result (Sessional- I)
23	24	25	26	27	28	29	4	26 th Jan Republic Day Celebration
30	31						2	25 th Jan Monthly Audit/ Student Feedback
								30 th Student activity in collaboration with NSS
								31 st Parent-Teacher Meet
		1	2	3	4	5	3	6 th Feb Display of Assignment -II & III ; Submission on 13 th
6	7	8	9	10	11	12	5	10 th Feb. Student activity in collaboration with ROTRACT
13	14	15	16	17	18	19	5	13 th Feb Display of Question Bank & Sessional Time Table
20	21	22	23	24	25	26	5	14 th Feb One day Student Activity (Quiz/Poster/Debate)
27	28						2	21 st To 28 th Sessional -II
								Value Added Course
		1	2	3	4	5	3	1 st March Display of Assignment -IV & V ; Submission on 9 th
6	7	8	9	10	11	12	4	9 th March Display of Question Bank & PUT Time Table
13	14	15	16	17	18	19	5	13/3/23 Display of Result (Sessional- II)
20	21	22	23	24	25	26	4	13 th to 15 th Internal Practical Exam
27	28	29	30	31			4	17 th To 27 th PUT Examination
							4	27 th March Last Teaching day
							90	Total Working Days

List Of Holidays	
Christmas	
Makar Sankranti	
Republic Day	
Mahashivratri	
Shivaji Maharaj Jayanti	
Holi	
Gudi Padva	

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Prof. Sadaf Gauhar
 HoD, ASH, GNIET
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 GNIET Nagpur



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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
 Dahegaon, Kalmeshwar Road, Nagpur- 441501

DEPARTMENT OF APPLIED SCIENCE & HUMANITIES
B. TECH. FIRST YEAR
 Session 2022-2023 (000)
ACADEMIC CALENDAR

Date: 4/11/2022

Days							Working Days	Activities
MON	TUES	WED	THURS	FRI	SAT	SUN		
1	2	3	4	5	6	7	0	
7	8	9	10	11	12	13	0	8/11/22 Faculty Contact Hour Finalization
14	15	16	17	18	19	20	2	10 th Nov Load Calculation, Departmental planning & Faculty Resourcing
21	22	23	24	25	26	27	2	13 th Nov Verification of classrooms and Laboratories
28	29	30					5	16 th Nov Preparation of Lesson plan/ Teaching Plan
							3	17/11/22 Commencement of Classes
								17 Nov to 7 Dec Student Induction Program
								17/11/22 Display of Time Table
1	2	3	4	5	6	7	2	6 th Dec Preparation of student list & Attendance register
5	6	7	8	9	10	11	5	12 th Dec Teacher Guardian Allotment
12	13	14	15	16	17	18	5	28/12/22 Display of Assignment -I Submission on 4/1/23
19	20	21	22	23	24	25	5	26 th Dec Display of Question Bank & Sessional Time Table
26	27	28	29	30			5	
1	2	3	4	5	6	7	0	2 nd To 9 th Sessional -I
8	9	10	11	12	13	14	5	10 th to 13 th Jan Industrial visit/ TG Meeting/ IC Activity
15	16	17	18	19	20	21	5	20/1/23 Guest Lecture
22	23	24	25	26	27	28	5	23/1/23 Display of Result (Sessional - I)
29	30	31					5	26 th Jan Republic Day Celebration
							4	25 th Jan Monthly Audit/ Student Feedback
							2	30 th Student activity in collaboration with NSS
								31 st Parent-Teacher Meet
1	2	3	4	5	6	7	3	6 th Feb Display of Assignment -II & III Submission on 13 th
8	9	10	11	12	13	14	5	10 th Feb Student activity in collaboration with RUTRACT
15	16	17	18	19	20	21	5	13 th Feb Display of Question Bank & Sessional Time Table
22	23	24	25	26	27	28	5	14 th Feb One day Student Activity (Quiz/Poster/Debate)
29	30	31					5	21 st To 28 th Sessional -II
							2	Value Added Course
1	2	3	4	5	6	7	3	1 st March Display of Assignment -IV & V Submission on 9 th
8	9	10	11	12	13	14	4	9 th March Display of Question Bank & PUT Time Table
15	16	17	18	19	20	21	5	13/3/23 Display of Result (Sessional - II)
22	23	24	25	26	27	28	5	13 th to 15 th Internal Practical Exam
29	30	31					4	17 th To 27 th PUT Examination
							4	27 th March Last Teaching day
							90	Total Working Days

List Of Holidays	
25 th Dec	Christmas
14 th Jan	Makar Sankranti
26 th Jan	Republic Day
18 th Feb	Mahashivratri
19 th Feb	Shivaji Maharaj Jayanti
8 th Mar	Holi
22 nd March	Gudi Padwa
30 th March	Ramnavmi

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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur
Department of Applied Sciences & Humanities (B. Tech. First Year)
Session: 2022-2023 (EVEN)

Date: 14/07/2023

R. T. M. Nagpur University External Practical Examination Summer 2023
Second Semester Time Table (Regular)

Sr. No.	Date	Day	Time	Paper	University Roll No.	No. of Students
01	25-07-23	Tuesday	10 am to 3 pm	Advanced Engineering Materials	170576 - 170630	55
			10 am to 3 pm	Applied Chemistry	170631 - 170685	55
			10 am to 3 pm	Computational Skills	170686 - 170740	55
			10 am to 3 pm	Workshop Practices	170741 - 170794	54
02	26-07-23	Wednesday	10 am to 3 pm	Applied Chemistry	170576 - 170630	55
			10 am to 3 pm	Advanced Engineering Materials	170631 - 170685	55
			10 am to 3 pm	Workshop Practices	170686 - 170740	55
03	27-07-23	Thursday	10 am to 3 pm	Computational Skills	170576 - 170630	55
			10 am to 3 pm	Workshop Practices	170631 - 170685	55
			10 am to 3 pm	Advanced Engineering Materials	170686 - 170740	55
			10 am to 3 pm	Applied Chemistry	170741 - 170794	54
04	28-07-23	Friday	10 am to 3 pm	Workshop Practices	170576 - 170630	55
			10 am to 3 pm	Computational Skills	170631 - 170685	55
			10 am to 3 pm	Applied Chemistry	170686 - 170740	55
			10 am to 3 pm	Advanced Engineering Materials	170741 - 170794	54

Instruction of RTMNU Practical Examination Summer 2023

- Written exam time will be of 1 hr. Students need to submit the paper as per allotted time, Descriptive type questions will be asked in the examinations.
- Write the university roll number, if it is available.
- If any students fail to attend the exam as per allotted schedule, he/she will be consider as absent.
- Students must clear the balance fees, before attending the practical examination.
- Students must carry the practical record.
- If any change done by the University, College let you know before one day

Exam In charge
in Charge
Sessional Exam
G.N.I.E.T., Nagpur

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Department of Applied
Science & Humanities
GNIET Nagpur

Vice-Principal

Principal
Principal
Guru Nanak Institute of
Engineering & Technology
Nagpur - 441501

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Guru Nanak Institute of Engineering &
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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur
Department of Applied Sciences & Humanities
(B. Tech. First Year)
Session: 2022-2023 (EVEN)

Date - 14-07-2023

UNIVERSITY EXTERNAL PRACTICAL EXAMINATION SUMMER 2023

NOTICE

(B. Tech. SECOND SEMESTER)

All the Student of First Year B. Tech. (Semester-II) are hereby informed that the University External Practical Exam Summer 2023 is to be scheduled from 25/07/2023 to 28/07/2023 & Time Table has been displayed on the Notice Board.

Instruction of Internal Practical Examination Summer 2023

- Written exam time will be of 1hr.
- Students need to submit the paper as per allotted time, Descriptive type questions will be asked in the examinations.
- Write the university roll number, if it is available.
- After written exam students must prepare for Viva
- If any students fail to attend the exam as per allotted schedule, he/she will be consider as absent.
- Students must clear the balance fees, before attending the practical examination.
- Students must carry the practical record.

(Signature)
Exam In-charge
Sessional Exam
G.N.I.E.T., Nagpur

(Signature)
HOD
HOD
Department of Applied
Science & Humanities
GNIET Nagpur

(Signature)
Vice-Principal


(Signature)
Principal
Principal
Guru Nanak Institute of
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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur
Department of Applied Sciences & Humanities
(B. Tech. First Year)
Session: 2022-2023 (EVEN) 

Date - 14-07-2023

UNIVERSITY EXTERNAL PRACTICAL EXAMINATION SUMMER 2023
(BACKLOG)

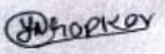
NOTICE


(B. Tech. FIRST SEMESTER)

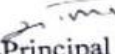
All the faculties of First Year B. Tech. (Semester-I) (Backlog) are hereby informed that the University External Practical Exam Summer 2023 (Backlog) is to be scheduled on 24/07/2023 & Time Table has been displayed on the Notice Board.

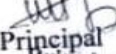
Instruction of Internal Practical Examination Summer 2023 (Backlog)

- Written exam time will be of 1hr.
- Students need to submit the paper as per allotted time. Descriptive type questions will be asked in the examinations.
- Write the university roll number, if it is available.
- After written exam students must prepare for Viva
- If any students fail to attend the exam as per allotted schedule, he/she will be consider as absent.
- Students must clear the balance fees, before attending the practical examination.
- Students must carry the practical record.


Exam In-Charge
Sessional Exam
G.N.I.E.T., Nagpur

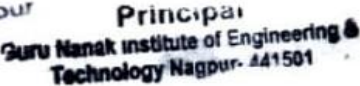

HOD
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GNIEET Nagpur


Vice-Principal


Principal
Principal
Guru Nanak Institute of
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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur
Department of Applied Sciences & Humanities
(B. Tech. First Year)
Session: 2022-2023 (EVEN)

Date - 14-07-2023

UNIVERSITY EXTERNAL PRACTICAL EXAMINATION SUMMER 2023

NOTICE
(B. Tech. SECOND SEMESTER)

All the faculties of First Year B. Tech. (Semester-II) are hereby informed that the University External Practical Exam Summer 2023 is to be scheduled from 25/07/2023 to 28/07/2023 & Time Table has been displayed on the Notice Board.

Instruction of Internal Practical Examination Summer 2023

- Written exam time will be of 1hr.
- Students need to submit the paper as per allotted time, Descriptive type questions will be asked in the examinations.
- Write the university roll number, if it is available.
- After written exam students must prepare for Viva
- If any students fail to attend the exam as per allotted schedule, he/she will be consider as absent.
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J. N. Hopkar
Exam In-charge
Sessional Exam
G.N.I.E.T., Nagpur

R. K. Kulkarni
HOD
Department of Applied
Science & Humanities
GNIET Nagpur

S. M. J. J.
Vice-Principal

W. H.
Principal
Principal
Guru Nanak Institute of
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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar road, Nagpur

NAAC Accredited

Session 2022-23 (ODD)

ACADEMIC CALENDAR

(For B.E./ B. Tech. – V Sem / VII Sem)

Sr. No.	Months	Teaching Learning	Date
1	June-2022	Faculty Subject Choice	24 th June 2022
2		Load Calculation, Departmental Planning and Faculty Requirement	27 th June 2022
3		Verification of Classrooms and Laboratories	28 th June 2022
4		Display of Project Guide With Specialization	29 th June 2022
5		Stationary/ Equipment Requirement	30 th June 2022
6	July-2022	Finalization of 7 th Semester Project group & Allotment of Project Guide	5 th July 2022
7		Display of Time- Table (7 th Sem)	5 th July 2022
8		Preparation of Student List and Attendance Register (7 th Sem)	7 th July 2022
9		Preparation of Lesson Plan/ Teaching Plan	8 th July 2022
10		Commencement of Classes (Final Year)	11 th July 2022
11		Student Registration to the Department (7 th Sem)	11 th to 30 th July 2022
12		Finalization of Elective-I (7 th Sem)	12 th July 2022
13		Teacher Guardian Allotment (7 th Sem)	14 th July 2022
14		Preparation of Course File, Lab Manual etc.	15 th July 2022
15		Display of Time- Table (5 th Sem)	21 st July 2022
16		Preparation of Student List and Attendance Register (5 th Sem)	22 nd July 2022
17		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	18 th to 22 nd July 2022
18		Attendance Review	27 th July 2022
19		Student Feedback	28 th July 2022
20	Monthly Audit/ Finalization of 7 th Sem Projects with Title & Industry Tie-up	29 th July 2022	
21	August-2022	Commencement of Classes (Third Year)	1 st August 2022
22		Student Registration to the Department (5 th Sem)	1 st to 10 th August 2022
23		Display of Assignment-I & II, Submission: 10-08-22	2 nd August 2022
24		Teacher Guardian Allotment (5 th Sem)	5 th August 2022
25		Project Presentation-I	8 th to 12 th August 2022
26		Display of Question Bank (7 th Sem)	12 th August 2022
27		Independence Day	15 th August 2022
28		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	16 th to 19 th August 2022
29		Sessional-I Exam (7 th Sem)	22 nd to 26 th August 2022
30		Synopsis Submission	26 th August 2022
31		Attendance Review/ Parents Teacher Meeting	29 th August 2022
32		Monthly Audit/ Student Feedback	30 th August 2022
33		Ganesh Utsav Festival 2022-23	31 st August 2022

35		Display of Assignment-III & IV, Submission: 09-09-22	1 st September 2022
36		Display of Question Bank (5 th Sem)	2 nd September 2022
37		Project Presentation-II	5 th to 9 th September 2022
38	Septem ber- 2022	Sessional-I Exam (5 th Sem) / Display of Question Bank (7 th Sem)	12 th to 16 th September 2022
39		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting/ Forum Installation	19 th to 23 rd September 2022
40		Sessional-II Exam (7 th Sem)	26 th to 30 th September 2022
41		Attendance Review/ Provisional Student Detention List	28 th September 2022
42		Monthly Audit/ Student Feedback	29 th September 2022
43	October -2022	NavratriGarba Celebration-2022	3 rd October 2022
44		Display of Assignment-V & VI, Submission: 11-10-22	4 th October 2022
45		Display of Question Bank (5 th Sem)	7 th October 2022
46		Project Presentation-III	10 th to 14 th October 2022
47		Sessional-II Exam (5 th Sem) / Display of Question Bank (7 th Sem)	17 th to 21 st October 2022
48		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	24 th to 28 th October 2022
49		Attendance Review/ Final Student Detention List	31 st October 2022
50	Monthly Audit/ Student Feedback	31 st October 2022	
51	Novem	Internal Practical (5 th & 7 th Sem)	1 st to 4 th November 2022
52	ber- 2022	PUT Exam (5 th & 7 th Sem)	7 th to 11 th November 2022

Note: - Above mentioned date are subject to change due to unavailable circumstances.



Prof. Neha Chourasia

Associate Dean (Academics)



Prof. Rajendra Bhombe

Vice-Principal



Dr. Hemant Hajare

Principal



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Website: www.gniel.ac.in E-mail: gnielnagpur@gmail.com



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**

Session: 2022-23 (Even)


NOTICE

Date: 20/02/2023

SESSIONAL I EXAM

All the students of 8th & 6th sem of ETC are hereby informed that the **SESSIONAL I EXAM** will be conducted from 27/02/2023 to 06/03/2023. The time table for the same is displayed on the departmental notice board. Exam will be conducted in college i.e., **offline mode**. Exam paper of each subject will be of 20 marks & duration to solve paper is 1 Hour.

Prof. Kajal Dhawale
Exam In-charge


Prof. Neha Chourasia
HOD ETC, GNIET



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Website: www.gniot.ac.in E-mail: gniotnagpur@gmail.com



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**

Session: 2022-23 (Even)

SESSIONAL I EXAM

Time Table


Date: 20/02/2023

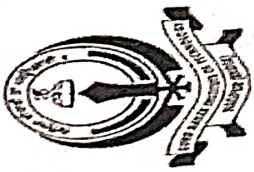
Day	Date	Time	VI	VIII
Monday	27/02/2023	10:00-11:00 am	Computer Communication Network	Microwave & Radar Engineering
Tuesday	28/02/2023	10:00-11:00 am	Internet of Things	Computer Communication Network
Wednesday	01/03/2023	10:00-11:00 am	Wireless Sensor Network	Wireless Mobile Communication
Thursday	02/03/2023	10:00-11:00 am	Control System Engineering (PEC-II)	Embedded System (Ele-II)
Friday	03/03/2023	10:00-11:00 am	Solar PV system (OE-I)	CMOS VLSI Design (Ele-III)
Monday	06/03/2023	1:30-2:30 pm	Effective Technical Communication	-

Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.
- 4) Clear balance fees dues if any

Prof. Kajal Dhawale
Exam In-charge


Prof. Neha Chourasia
HOD ETC, GNIET



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Website: www.gnit.ac.in E-mail: gnitnagpur@gmail.com



Department of Electronics & Telecommunication

Sessional - I

Year/Sem: II Yr/IV SEM

Time: - 01 Hours

Subject: ASD Date:10/05/23

Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

**Department of Electronics & Telecommunication
Sessional - I**

Year/Sem: II Yr/IV SEM

Time: - 01 Hours

Subject: ASD Date:10/05/23

Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Explain block diagram of Operational Amplifier 4
2. Explain Inverting and non inverting Operational Amplifier with circuit diagram 4
3. Explain Instrumentation amplifier with application . 4
4. Explain Integrator and differentiator with circuit diagram 4
5. Explain monostable bistable and astable multivibrator. 4
6. Explain 555 timer circuit with application. 4
7. Explain unregulated DC power supply with rectifier circuit. 4
8. Explain series voltage regulator. 4

1. Explain block diagram of Operational Amplifier 4
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Department of Electronics And Telecommunication Engineering
Session 2022-23 Even

Date: 17/04/2023

NOTICE

All the students of VI sem and VIII sem are hereby informed that their PUT Exam will be starting from 24/04/2023. Attendance is mandatory.

Dr. Sushma Telrandhe
HOD, ETC, GNIET

Copy to

- 1) Principal, GNIET
- 2) Associate Dean
- 3) Faculty members



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Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
Session 2022-23(EVEN)
PUT EXAM
Time Table**

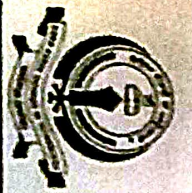
Date: 17/04/2023

Day	Date	Time	VI	VIII
Mon	24/04/2023	10.00 am - 1.00 pm	Computer Communication Network (Theory)	Microwave&Radar Engineering (Theory)
		2.00 am - 4.00 pm	Computer Communication Network (Practical)	Microwave&Radar Engineering (Practical)
Tue	25/04/2023	10.00am-1.00pm	Internet Of Things (Theory)	Computer Communication Network (Theory)
		2.00 am - 4.00 pm	Internet Of Things (Practical)	Computer Communication Network (Practical)
Wed	26/04/2023	10.00am-1.00pm	Wireless Sensor Network (Theory)	Wireless Mobile Communication
		2.00 am - 4.00 pm	Wireless Sensor Network (Practical)	-----
Thu	27/04/2023	10.00am-1.00pm	Control System Engineering (PEC-II)	Embedded System
Fri	28/04/2023	10.00am-1.00pm	Solar PV System (Open Elective-I)	CMOS VLSI Design
		2.00 am - 4.00 pm	Mini Project	Project
Sat	02/05/2023	10.00am-12.00pm	HSC:Effective technical communication	-----

- 1) It is compulsory for all students to solve paper in a proper format .
2) The question paper of each subject will be of descriptive pattern.
3) Maximum marks: 70 for 6th sem and Maximum marks: 80 for 8th sem
4) Sessional Exam will be conducted in the given slot ,remaining classes will continue as per time table.Clear balance fees .dues if any

Prof. Minakshi Dhage
Exam In-charge


Dr. Sushma Telrandhe
Head of Department



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 Ganga Road, Chak Dera, Ferozpur Road, Hapur - 141151 Ph. 0119-451600
 Website: www.gnit.edu.in E-mail: gnanak@gnit.edu.in



Department of Electronics & Telecommunication Engineering

Pre-University Test

Subject: CCN

Maximum Marks: - 70

Year/Sem: III Yr/VI Sem

Time: - 03 Hours

Date:- 24/04/2023

INSTRUCTIONS TO CANDIDATE.

- All questions carry marks as indicated.
- Solve two questions as follows:
 Q. No. 1 OR Q. No. 2
 Q. No. 3 OR Q. No. 4
 Q. No. 5 OR Q. No. 6
 Q. No. 7 OR Q. No. 8
 Q. No. 9 OR Q. No. 10
- Assume suitable data wherever necessary.
- Illustrate your answer wherever necessary with the help of neat sketches.

1. a)	What is the Importance of layering architecture. Discuss problems associated with it.	7
b)	Explain OSI Reference model and compare it with TCP/IP model.	7
	OR	
2. a)	Compare ATM and frame Relay.	7
b)	Explain protocols and standards.	7
3. a)	Explain difference between guided and unguided media.	7
b)	What is packet switching? Explain the structure of Datagram switching and virtual switching.	7
	OR	
4. a)	Write short notes on selection of IEEE 802.11.a,b,g and n.	7
b)	Explain Sonet N/T	7

b)	Write short note on point to point protocol and HDLC frames.	7
	OR	
6. a)	What is ERROR control and flow control.	7
b)	Explain Go Back-N and selective repeats protocols.	7
	OR	
7. a)	Explain Active Hubs and passive Hubs.	7
b)	What do you mean by the term congestion control in communication network.	7
	OR	
8. a)	Explain IPv6 Addressing.	7
b)	Explain 3 phase operation in TCP.	7
	OR	
9. a)	Explain Routing algorithms shortest path routing & Distance vector routing.	7
b)	Write short notes on i) File transfer protocol ii) Simple mail transfer protocol iii) DNS.	14
	OR	
10. a)	Explain the concept of streaming Audio / video.. 6	7
b)	Write short note on socket programming.	7



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Website: www.gniot.ac.in E-mail: gniotnagpur@gmail.com



Department of Electronics and Telecommunication Engineering
Session 2022-23 Even

Date: 16/03/2023

NOTICE

All the students of VI sem and VIII sem are hereby informed that their Sessional II Exam will be starting from 20/03/2023. Attendance is mandatory.

Dr. Sushama Telrandhe
HOD, ETC, GNIET

Copy to

- 1) Principal, GNIET
- 2) Associate Dean
- 3) Faculty members



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DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
Session 2022-23(EVEN)
SESSIONAL 2 EXAM
Time Table

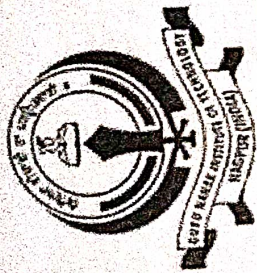
Date: 15/03/2023

Day	Date	Time	VI	VIII
Mon	20/03/2023	10.00am-11.00am	Computer Communication Network	Microwave & Radar Engineering
Tue	21/03/2023	10.00am-11.00am	Internet Of Things	Computer Communication Network
Thu	23/03/2023	10.00am-11.00am	Wireless Sensor Network	Wireless Mobile Communication
Fri	24/03/2023	10.00am-11.00am	Control System Engineering (PEC-II)	Embedded System
Mon	27/03/2023	10.00am-11.00am	Open Elective-I	CMOS VLSI Design

- te :
- 1) It is compulsory for all students to solve paper in a proper format .
 - 2) The question paper of each subject will be of descriptive pattern.
 - 3) Maximum marks: 20, Time:1Hr.
 - 4) Sessional Exam will be conducted in the given slot ,remaining classes will continue as per time table.Clear balance fees .dues if any

Prof. Minakshi Dhage
Exam In-Charge


Dr. Sushma Telrandhe
HOD, ETC



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Website: www.gniat.ac.in E-mail: gniatnagpur@gmail.com



Department of Electronics & Telecommunication
Sessional - II

Subject: WSN
Maximum Marks: - 20

Year/Sem: III Yr/VI SEM
Time: - 01 Hours

Department of Electronics & Telecommunication
Sessional - II

Subject: WSN
Maximum Marks: - 20

Year/Sem: III Yr/VI SEM
Time: - 01 Hours

INSTRUCTIONS TO CANDIDATE.

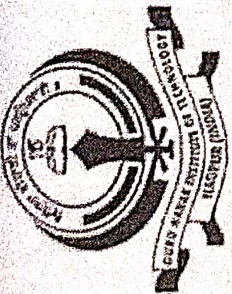
- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non-programmable calculator is permitted.

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non-programmable calculator is permitted.

1. Explain Transport control protocol for Wireless Sensor Network? 4
2. Explain Traditional Transport control protocol for Wireless Sensor Network. 4
3. Explain Transport control design issue Wireless Sensor Network. 4
4. Explain existing Transport control protocol with example? 4
5. Explain performance of Transmission control protocol with example. 4
6. Explain how TCP /Ip protocol work for WSN. 4
7. Explain routing challenges and design issue in WSN. 4
8. Explain routing strategies in WSN. 4

1. Explain Transport control protocol for Wireless Sensor Network? 4
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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electronics & Telecommunication
Sessional - II

Year/Sem: II Yr/ IV SEM
Time: - 01 Hours
Subject: **IoT**
Maximum Marks: - 20

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.
Department of Electronics & Telecommunication
Sessional - II

Year/Sem: II Yr/ IV SEM
Time: - 01 Hours
Subject: **IoT**
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

- 1 Introduce About IoT Architecture? 4
2. Explain 5 Layer IoT Architecture? 4
3. Explain Real life Model of IoT ? with Example? 4
4. Explain Physical Design of IoT? 4
5. Explain Functional Block Diagram of IoT? 4
6. Explain 4 Layer IoT Architecture? 4
7. Explain Disadvantages of IoT? 4
8. Explain real-world design constraints of IoT. 4

- 1 Introduce About IoT Architecture? 4
2. Explain 5 Layer IoT Architecture? 4
3. Explain Real life Model of IoT ? with Example? 4
4. Explain Physical Design of IoT? 4
5. Explain Functional Block Diagram of IoT? 4
6. Explain 4 Layer IoT Architecture? 4
7. Explain Disadvantages of IoT? 4
8. Explain real-world design constraints of IoT. 4



Department : ETC

Room : B 203

Name of Lab : Advanced computer laboratory

1. Object Oriented Programming & Data Structure (Sem : III)
2. Software Workshop (Sem : IV)
3. Digital Signal Processing (Sem : VI)
4. DSP Processor & Architecture (Sem : VII)
5. Computer Communication Network (Sem : VIII)

Sr. No	Equipment m/c/ Computers	Total Cost in Rs./-
1	Computer (----- No)Lenovo:- Intel Pentium Dual Core 2.7 Ghz, 1 GB DDR 2, RAM,320 GB hard disk, 18.5 tft monitor, multimedia keyboard optical mouse.	7,82,310/-
2	DSP lab TMS' 320C6713 DSK development card by VPL infotech, model:VPL Dsp 6713 with instruction manual, software, power supply, usb cable.	
3	DSP based embedded system lab based on ADSP 21xx evaluation kit plate form(Dsp trainer kit) by VPL infotech, model: Adsp 2181with power supply cable And Instruction manual.	
4	DSP development board easy to operate expansion by VPL infotech, model:DSP 50 with all accessories.	
5	DSP Single Signal license system.	
6	Panasonic PT-LX22EA LCD Projecter	

Name of Lab : 1. Object Oriented Programming & Data Structure

Sem : III

List of Experiment

S No	Name of Experiment
1	Write a C++ program to implement the concept of class and object.
2	Write a C++ program to find the area of circle and rectangle by using default and parameterized constructor.
3	Write a C++ program using following inheritance path: Student -> Marks-> Result & to produce result of each student.
4	Write a C++ program, to implement operator overloading. Overload "+" operator so that two string can be concatenated.
5	Write a C++ program to implement a following sorting tech. to arrange elements in ascending order. 1) Bubble sort 2) Insertion sort

6	Write a C++ program to implement a stack in which push, pop and display can be performed.
7	Write a C++ program to implement a queue in which insertions, deletions and display can be performed
8	Write an interactive C++ program to create a singly linked list and perform following operation 1) Create 2) Insert 3) Delete
9	techniques. 1) Preorder 2) Inorder 3) Postorder
10	Write a C++ program to construct a binary search Tree and perform following Operation. 1) Insert 2) Delete 3) Print leaf n.
11	Write a C++ Program to implement quick sort
12	Write a C++ Program to implement "this" keyword

Name of Lab : 2. Software Workshop

Sem : IV

List of Experiment

Sr. No.	Name of the Experiment
1	Introduction to MATLAB Environment
2	To study simple matrix and array manipulations using Matlab
3	Programming using MATLAB
4	Calculus using MATLAB
5	To plot signals: discrete and continuous using MATLAB
6	Function programming and MATLAB
7	Signal Manipulation using MATLAB
8	Design and simulation of resistive circuit
9	Plotting of VI characteristics of diode
10	Plotting of VI characteristics of BJT/FET
11	Plotting of VI characteristics of UJT/SCR
12	Design and simulation of half wave & full wave rectifier
13	Design and simulation of clipper and clamper circuits
	Simulation of frequency response of a transistorized RC coupled amplifier

Name of Lab : 3. Digital Signal Processing

Sem : VI

List of Experiment

S.No	Name of the Experiment
1	To study & generate different basic discrete time standard test signal in MATLAB.
2	Write a program in MATLAB to evaluate convolution of given sequence.
3	To study & generate different operations that can be performed on discrete time signal in MATLAB.
4	To study and obtain the cross-correlation of two given sequences in MATLAB .
5	To study and obtain the auto-correlation of given discrete sequence in MATLAB.
6	Write a program for addition of two sine wave of same frequency.
7	Write in MATLAB to find inverse z-transform of given Function. Compare the z-transform obtained in MATLAB with result obtained theoretically using partial fraction method. Also plot pole & zero of given signal x(n).
8	Write a program in MATLAB to find DFT of given signal using twiddle factor. Also plot its magnitude .
9	Write a program in MATLAB to find DFT of given signal using FFT algorithm. Also plot its magnitude response.
10	Write a program in MATLAB to compute circular convolution of given sequence.
11	Write a program in MATLAB to design analog elliptic filter(Bessel), Order 2, cutoff 1 Hz.
12	Study of Linear Convolution using DSP-TMS320C6713 Trainer kit.
13	Study of Circular Convolution using DSP-TMS320C6713 Trainer kit.
14	Study of Impulse Response using DSP-TMS320C6713 Trainer kit.

Name of Lab : 4. Advanced Digital System Design

Sem : VII

List of Experiment

Sr. No.	Name of the Experiment
1	Design of basic logic gates using VHDL.
2	Design of half and full Adder circuit using VHDL.
3	Design of Multiplexer and demultiplexer using VHDL.
4	Design of Priority encoder using VHDL.
5	Design of BCD to 7-segment encoder using VHDL.
6	Design of n-bit up-down counter using VHDL.
7	Design of n-bit shift register using VHDL.
8	Design of sequence detector using Mealy FSM.

9	Design of sequence detector using Moore FSM.
10	Design of 4-bit ALU using VHDL.

Name of Lab : 5. Computer Communication Network

Sem : VIII

List of Experiment

Sr. No.	Name of the Experiment
1	To study Network simulator and get familiar with the NS2
2	To create network topologies in NS2
3	To demonstrate data transmission using Ping protocol, tracert, IP configuration and hub.
4	To study the fundamental of socket programming.
5	To understand the IP address of the system, DHCP, network address translation.
6	To understand the domain name server.
7	To study protocol analyzer
8	To configure Router.
9	To study FTP, HTFT protocol.
10	To perform PC to PC communication using RS-232 port.
11	To understand wireless TCP and UDP protocols.
12	To demonstrate network security cryptography.



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Department : ETC

Name of Lab : 6. Electronic Devices and Circuits

Room : B 204

Name of Lab : 7. DSP Processor & Architecture

Sem : III

Sr. No.	Equipment m/c/ Computers	Total Cost in Rs./-
1	Computer (----- No)Lenovo & HCL:- Intel Pentium Dual Core 2.7 Ghz, 1 GB DDR 2, RAM,320 GB hard disk, 18.5 tft monitor, multimedia keyboard optical mouse.	5,35,970/-
2	Electrical/ Electr. Ckt. Trainer (XPO-anadigi),Exp.Pan. Semiconductor & power semiconductor Rectifire, Filter, Zener, Transistor Amplifire,Transistor Class – A,B,C, Oscillator & Multivibrator C.R.O. 25 MHz, 2 chanal, 4 Trace Single O/p regulated D.C. Power supply Digital Multimeter Negative /Possitive feedback amplifierFunction Generator 1 MHz Voltmeter DC (4 No.)Ammeter	

Name of Lab : 6. Electronic Devices and Circuits

List of Experiment

Sr. No.	Name of the Experiment
1.	To Plot V-I Characteristics of Si/Ge Diode.
2.	To study Half Wave rectifier with and without Capacitor filter.
3.	To study Full Wave rectifier with and without Capacitor filter.
4.	To study Input-output characteristics of Common Base Configuration.
5.	To study Input-output characteristics of Common Emitter Configuration.
6.	To Determine the h-parameter of CE amplifiers.
7.	To find the operating point of transistor.
8.	To Study RC Oscillator (RC-Phase Shift and Wien Bridge Oscillator).
9.	To Study LC Oscillators (Colpitt"s and Hartley Oscillator).
10.	To study transistorized Astable Multivibrator.
11.	To study transistor as an amplifier.
12.	To study FET characteristics.

List of Experiment

No.	Name of the Experiment
1.	To generate basic signals using <i>TMS320C6713</i> .
2.	Write an ALP using instruction of TMS processors to add two numbers.
3.	Write an ALP using instruction of TMS processors to subtract two numbers.
4.	Write an ALP to multiply two numbers using instruction of TMS processors .
5.	Write an ALP to division of two numbers using instruction of TMS processors .
6.	Implementation of FFT using code Composer studio.
7.	To implement Interpolation filter by Matlab.
8.	To implement Decimation filter by Matlab.
9.	To design FIR filter using MATLAB and find finite word length effect & cross verify using DSP processor.
10.	To design IIR filter using MATLAB and find finite word length effect & cross verify using DSP Processor.



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Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



Department : ETC

Name of Lab : 8. Communication Electronics (Sem : V)

Room : B 204

9. Digital Communication (Sem : VI)

Sr. No	Equipment m/c/ Computers	Total Cost in Rs./-
1	C.R.O 25 MHz 2 Channel 4 trace	2,65,600/-
2	Mixed signal Oscilloscope M . S O. 25 Mhz 16 channel	
3	Demonstration Kit Amplitude Mod ,Freq .mod.,Pulse Width Mod.Pulse Position mod & Demod,Pulse Amplitude Mod. & Demod.	
4	Demonstration Kit FSK Mod ,ASK Mod ,PSK Mod ,Delta Mod TDM Mod,FDM Mod PCM Mod	

Name of Lab : 8. Communication Electronics

Sem : V

List of Experiment

Sr. No.	Name of the Experiment
1	To Perform & Verify Amplitude Modulation and Demodulation.
2	To Perform & Verify Frequency Modulation and Demodulation.
3	To Perform & Verify Pulse Amplitude Modulation.
4	To Perform & Verify Pulse Width Modulation.
5	To Perform & Verify Pulse Position Modulation.
6	To Perform & Verify Time Division Multiplexing.
7	Simulation of Amplitude modulation techniques using MATLAB.
8	Simulation of Frequency modulation techniques using MATLAB.
9	To perform Pulse Code Modulation (PCM) using Simulation in MATLAB.

Name of Lab : 9. Digital Communication

Sem : VI

List of Experiment

Sr. No.	Name of the Experiment
	To study and verify the sampling theorem and reconstruction of sampled wave form.
	To analyze a ASK modulation system and interpret the modulated and demodulated waveforms.
	To analyze a FSK modulation system and interpret the modulated and demodulated waveforms.
	To analyze a PSK modulation system and interpret the modulated and demodulated waveforms.
5	To study the Delta modulation process by comparing the present signal with the previous signal of the given modulating signal.
6	To perform generation of QPSK using MATLAB.
7	To perform Slow and Fast Frequency hopping: FH/MFSK using MATLAB.
8	To generate Hamming Code using MATLAB.
9	To write and execute MATLAB code for Convolutional Encoding in Time Domain Approach.
10	Write and execute MATLAB code for generation of ASK.
11	Write and execute MATLAB code for generation of FSK.
12	Write and execute MATLAB code for generation of PSK.



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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



Department : ETC

Name of Lab : 10. Television and Video Engineering Lab

Room : B 209 A

Sem : VII

Sr. No	Equipment m/c/ Computers	Total Cost in Rs./-
1	Colour Tv Trainer (51 cm), Colour Pattern Generator, Colour Pattern Generator by signet	1,25,000/-

List of Experiments

Name of the Experiment

- To understand working of various stages of TV receiver
- To analyse and verify SMPS Panel
- To analyse and verify antenna cum tuner panel
- To analyse & Verify I.F amplifier cum Detector panel
- To study and observe colour composite video signal at the output of VIF Section
- To analyse & Verify sync. Separator, Horizontal Oscillator & EHT
- To analyse & Verify Vertical Oscillator and Vertical outputs
- To understand the chroma section of TV receiver and observe the chroma outputs
- To analyse & verify different faults in color TV trainer kit
- To analyse and observe the patterns on TV Receiver

Total Investment in Laboratories :

Sr. No.	Name of Laboratory	Cost in Rs/-
1.	Digital Signal Processing	7,82,310/-
2.	Electronic Devices and Circuits	5,35,970/-
3.	Communication Electronics	2,65,600/-
4.	Television and Video Engineering Lab	1,25,000/-
Total =		17,08,880/-

Date:- 31/07/2023

To,

Dear Parent/Guardian

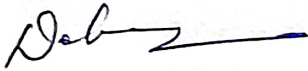
Shri. Jivan Lamse
C/o S.B. Chaudhary
Koradi rd.
Nagpur

Subject: - Regarding not attending regular classes.

This is to inform you that we have noticed an irregularity of your ward. As the classes already started, we have been observing that your ward is not attending his/her classes on regular basis. As per RTMNU regulation 75% attendance is compulsory. If his/her attendance is less than 75% then he/she will be unable to appear for RTMNU exam.

If she/he remain absent then strict action will be taken.

Thank you



Prof. Deepak Deshpande
Class Incharge



Dr. Sushama Telrandhe
HOD, ETC, GNIET

Dr. Hemant Hajare
Principal, GNIET

Date:- 2/08/2023

To,

Dear Parent/Guardian

Shri Sanjay BHADNI
Krishna Nagar,
Mankewada Nagpur

Subject: - Regarding not attending regular classes.

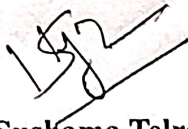
This is to inform you that we have noticed an irregularity of your ward. As the classes already started, we have been observing that your ward is not attending his/her classes on regular basis. As per RTMNU regulation 75% attendance is compulsory. If his/her attendance is less than 75% then he/she will be unable to appear for RTMNU exam.

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Thank you



Prof. Deepak Deshpande
Class Incharge



Dr. Sushama Telrandhe
HOD, ETC, GNIET

Dr. Hemant Hajare
Principal, GNIET

Date:- 31/07/2023

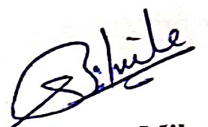
To,
Dear Parent/Guardian
Shri Tarunkumar Rajput
friends colony,
Nagpur


Subject: - Regarding not attending regular classes.

This is to inform you that we have noticed an irregularity of your ward. As the classes already started, we have been observing that your ward is not attending his/her classes on regular basis. As per RTMNU regulation 75% attendance is compulsory. If his/her attendance is less than 75% then he/she will be unable to appear for RTMNU exam.

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Prof. Soniya Milmile
Class Incharge


Dr. Sushama Telrandhe
HOD, ETC, GNIET

Dr. Hemant Hajare
Principal, GNIET

Date:- 31/07/2023

To,

Dear Parent/Guardian

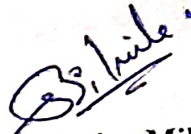
Shri. TIKDAL SHEEKH
Bezan Begh, Sadax
Nagpur


Subject: - Regarding not attending regular classes.

This is to inform you that we have noticed an irregularity of your ward. As the classes already started, we have been observing that your ward is not attending his/her classes on regular basis. As per RTMNU regulation 75% attendance is compulsory. If his/her attendance is less than 75% then he/she will be unable to appear for RTMNU exam.

If she/he remain absent then strict action will be taken.

Thank you


Prof. Soniya Milmile
Class Incharge


Dr. Sushama Telrandhe
HOD, ETC, GNIET

Dr. Hemant Hajare
Principal, GNIET

Date:- 31/07/2023

To,
Dear Parent/Guardian
i. Dilip Mendhe
Near pan Tank
Cancer hospital
Tukdoj Sq. Nagpur.

Subject: - Regarding not attending regular classes.

This is to inform you that we have noticed an irregularity of your ward. As the classes already started, we have been observing that your ward is not attending his/her classes on regular basis. As per RTMNU regulation 75% attendance is compulsory. If his/her attendance is less than 75% then he/she will be unable to appear for RTMNU exam.

If she/he remain absent then strict action will be taken.

Thank you



Prof. Deepak Deshpande
Class Incharge



Dr. Sushama Telrandhe
HOD, ETC, GNIET

Dr. Hemant Hajare
Principal, GNIET

Date: 21/08/2023

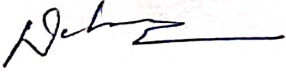
To,
Dear Parent/Guardian
Shri. Prakash Bhaigaware
Plot No. 22, Shri Niwas,
Tatla Nagpur


Subject: - Regarding not attending regular classes.

This is to inform you that we have noticed an irregularity of your ward. As the classes already started, we have been observing that your ward is not attending his/her classes on regular basis. As per RTMNU regulation 75% attendance is compulsory. If his/her attendance is less than 75% then he/she will be unable to appear for RTMNU exam.

If she/he remain absent then strict action will be taken.

Thank you


Prof. Deepak Deshpande
Class Incharge


Dr. Sushama Telrandhe
HOD, ETC, GNIET

Dr. Hemant Hajare
Principal, GNIET



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Dahegaon, Opp. IDC Petrol pump, Kalmeshwar Road, Nagpur-441501 Ph.: 07118-681400
Website : www.gniet.ac.in E-mail : gnienagpur@gmail.com



Question Bank

2022-23

Branch	Electronics & Telecommunication Engineering
Semester	VII th Sem
Subject	Wireless Mobile Communication
Subject Code	BEETC701PE-T

Department of Electronics & Telecommunication Engineering

UNIT-I		Marks	Blooms Level	CO _n
1	What is frequency reuse concept? Explain the importance while designing cellular mobile system	5	AP	CO-1
2	Explain cell splitting and cell sectoring used in cellular system.	5	AN	
3	Explain the terms Umbrella cell approach and cell dragging related to hand off.	5	UN	
4	Draw a view of cellular telecommunication system and explain in brief.	5	AN	
5	Define following terms used in Trunking theory) Holding time ii)Traffic Intensity iii)Grade of service iv)Request rate	5	UN	
6	What are the types of cellular interference	5	AN	
7	Explain second generation 2G network in detail.	5	UN	
8	Explain Public Switched Telephone Network(PSTN)	5	AP	
9	What are the differences between wired and wireless communication system in detail.	5	AN	
10	Explain how hand off concept work in the network.	5	AP	
UNIT-II		Marks	Blooms Level	CO _n
1	What do you understand by multi path fading.	5	AP	CO-2
1	Explain the difference between short term fading and long term fading.	5	AN	
2	Explain how the speed of mobile influences small scale fading	5	UN	
3	Explain the factors influencing small scale fading. .	5	AN	
1	Explain inter symbol interference in detail	5	UN	
5	Write short notes on normal shadowing	5	AN	
1	What is the difference between fast and slow fading	5	UN	
7	Explain the terms i)level crossing rule	5	AP	



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 Website : www.griet.ac.in E-mail : grietnagpur@gmail.com



		Marks	Blooms Level	Bloom's Level
19	Write short notes on Coherence bandwidth	5	AN	CO-3
20	Explain the terms Delay spread	5	AP	
UNIT-III				
21	Explain Fundamental of Equalization ?	5	AP	
22	Define Space Polarization with application	5	AN	
23	Explain frequency diversity technique with example	5	UN	
24	Explain time diversity technique with example.	5	AN	
25	Explain space diversity technique with example	5	UN	
26	Explain polarization diversity with application	5	AN	
27	What is the difference between frequency and time diversity	5	UN	
28	Explain fundamentals of channel coding	5	AP	
29	Explain how channel coding works	5	AN	
30	Write short note on equalization	5	AP	

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Dahegaon, Opp. IOC Petrol pump, Kalmeshwar Road, Nagpur-441501 Ph.: 07118-651400
Website : www.griet.ac.in E-mail : grietnagpur@gmail.com

Question Bank

2022-23

Branch	Electronics & Telecommunication Engineering
Semester	V th Sem
Subject	Sensor and System
Subject Code	BEETC505PE



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19	Explain coolant and temperature sensor with example.	5	Analyzing	
20	Explain oxygen and engine speed sensor used in automobile .	5	Analyzing	
UNIT-III		Marks	Blooms Level	Blooms Level
21	What is Rotary transformation give one example	5	Analyzing	CO-3
22	Explain torque transducer with application	5	Analyzing	
23	Explain importance of passive seed sensors	5	Analyzing	
24	Explain smart position sensor with application	5	Analyzing	
25	Explain non contact hall effect rotary position sensor.	5	Analyzing	
26	Explain with example current and voltage sensor	5	Analyzing	
27	What is hot metal detector give one example	5	Analyzing	
28	Explain proximity and displacement sensor	5	Analyzing	
29	Explain how sensor interface with microcontroller	5	Analyzing	
30	Write short note on Calibration	5	Analyzing	



Department of Electronics & Telecommunication Engineering

UNIT-I		Marks	Blooms Level	COs
1	What is Sensor? Explain the importance of sensor.	5	Understand	CO-1
2	Define transducer and explain its working.	5	Understand	
3	Explain classification of transducer with one example.	5	Understand	
4	Explain characteristics and parameters of transducer.	5	Understand	
5	Explain design procedure to choose sensor.	5	Understand	
6	Explain types of sensor with one example.	5	Understand	
7	Explain difference between transducer and sensor..	5	Understand	
8	Explain inductive, capacitive and resistive sensor.	5	Understand	
9	Explain environmental parameters and of any two sensors.	5	Understand	
10	Explain environmental parameters and of any two transducer.	5	Understand	
UNIT-II		Marks	Blooms Level	COs
11	Explain sensors used in automobile industries.	5	Analyzing	CO-4
12	Explain the working of camshaft position sensor with example.	5	Analyzing	
13	Explain throttle position sensor with example	5	Analyzing	
14	Explain types of sensor .Give example of any one .	5	Analyzing	
15	Explain vehicle speed sensor in detail	5	Analyzing	
16	Explain voltage sensor in detail with one example	5	Analyzing	
17	Explain fuel temperature and manifold absolute pressure sensor	5	Analyzing	
18	Explain types of sensor and their interfacing with microcontroller.	5	Analyzing	



Guru Nanak Institute of Engineering and Technology, Nagpur
Department Of Electronics & Telecommunication Engineering
INTERNAL ASSIGNMENT Marks III Sem


Session 2022-23

Subject :- DSP

Roll No.	Name of Student	Sess. I	Sess.II	PUT	Asst.	Atten	Total
		[5]	[5]	[5]	[5]	[10]	[30]
1	AASTHA.RAVINDRAKUMAR RAULKAR						
2	ACHAL GANGADHAR KALAMBE						
3	DHAMMADIP NILESH GONDANE						
4	HARSHAL GULABRAO NAGPURE						
5	KARAN DEEPAK PARATE						
6	KHUSHI DHARMARAJ KELWADE						
7	LAXMI AMAR MESHARAM						
8	MEGHA YOGIRAJ SONTAKKE						
9	NIKHIL NARESHRAO BALANSE						
10	POOJA CHANDRAKANT SHRIWAS						
11	PRACHI MOHAN BAHAD						
12	PRATIKSHA RAJU UNPANE						
13	RITIK KRISHNA LOKHANDE						
14	ROSHAN DHARAMLAL TURKAR						
15	SANKET PRAMOD MASKE						
16	SEJAL KAILASH WAGHMARE						
17	SHRUTI PRAVIN KOLHE						
18	SHRUTIKA KISHOR WADIBHASME						
19	THARUN RAMAKRISHNA IRAGAVARAPU						
20	YASH GULAB CHARPE						
21	RITIK JITENDRA KHOBRAGADE						
22	ADITYA VINAYAK BALKI						
23	AKANSHA ROSHAN BHAI SARE						
24	AKASH MANAK KRUPAL						
Roll No.	Name of Student	Sess. I	Sess.II	PUT	Asst.	Atten	Total
		[5]	[5]	[5]	[5]	[10]	[30]
25	ANIKET LAXMANRAO GHANEWAR						
26	ASHISH VILAS KARANGALE						
27	ASHWINI MURLIDHAR MANDLIK						
28	ASHWINI VILAS BHONDE						
29	GANESH VITTHAL MANDEWAR						
30	GOVIND BANDUJI KHAPEKAR						
31	HARSHAL NARENDRA DEOTALE						
32	HITESH SHIWAJI BHOYAR						
33	ISMAIL IBRAHIM SHAIKH						
34	JANVI ASHOK RAUT						
35	LAXMI RAJU KOLHE						
36	PANKAJ SUDHAKAR MADANKAR						
37	PRAGATI BABARAO BANSOD						
38	PRITI RAJKUMAR TURKAR						
39	ROSHANI BANIYA						
40	RUCHI PRAMOD RAMTEKE						

41	RUCHIKA SUNIL DANGE					
42	SARVESH GOPAL GOUR					
43	SHIVALESH KESHAV NIMJE					
44	SHUBHAM AMRUT PATLE					
45	SUPRIYA PANDURANG LOKHANDE					
46	VISHAL PRADIP MADANKAAR					
47	YASH SHIVAJ WANKHADE					
48	Shraddha Rajesh Pashine					

Prof. Soniya Milmile
Class Incharge


Dr. Sushama Telrand
HOD, ETC

Session: 2022-2023(EVEN)

Sessional-II (Attendance Sheet)

VI SEMESTER (CBCS) (Regular)

Date: 20/03/2023

	CCN	IoT	WSN	CSE	ELV-I
	20/03/23	21/03/23	23/03/23	24/03/23	27/03/23
1	AJAY SHRIKRUSHNA THAWARE				
2	AKASH KULDEEP SOMKUWAR				
3	APEKSHA SUNIL SAKHARE				
4	AMEYA DILIP MENDHE				
5	ANIKET SUDHAKAR NERKAR				
6	ANJALI SANJAY VERMA				
7	ANURAD MESHRAM				
8	ASHAY DEVIDAS RAUT				
9	ASHOK SANJAY DANGA				
10	ASHUTOSH LANKESH NARNAWARE				
11	ASHIWINI MESHRAM				
12	ASHIWANI R RAHANGDALE				
13	CHAITANYA KHANDEKAR				
14	DHANANJAY GOPALRAO RAUT				
15	DIKSHA GANESH WADHONE				
16	GAURAV SANJAY BHAJNI				
17	GAYATRI TULSHIRAM NAGPURE				
18	HIMANSHU M GADKAR				
19	HONEY TARUNKUMAR RAJPUT				
20	KALYANI ARUN DATE				
21	KAMINI BAGDE				
22	KANCHAN PRAKASH BHAJGAWARE				
23	KAREENA RAJU PASWAN				
24	KARISHMA IKBAL SHEIKH				
25	MOIN MOHAMMAD HANIF ANSARI				
26	NIKHIL VITTHAL NANDEKAR				
27	PAYAL DUDHABALE				
28	PAYAL JANARDHAN LIKHAR				
29	PRADNYA BHOLESWAR BADGE				
30	PRAJAKTA VARDHAN CHAWRE				
31	PRANALI ANANT KHACHANE				
32	PRASHIL GUNWANT GAVHANKAR				
33	PRATIKSHA BHIMRAO SARPATE				
34	PRIYANKA AKARAM BANSOD				
35	RAKHI RAMAJI KUMRE				
36	RANI CHANDANSING PATEL				
37	RITIKA VITTHAL GOKHALE				
38	ROHIT DHARMENDRA BELDAR				
39	ROHIT SUBALAK WADHAI				
40	SAKSHI VINOD AMBHORE				
41	SHITAL CHANDRASHEKHAR BAGDE				

IvSem

42	SHITAL MORESHWAR WAKHODKAR				
43	SHRADDHA LILADHAR DORLIKAR				
44	SHUBHAM GAUTAM MESHAM				
45	SIDRA KOUSAR SHAIKH				
46	SWAPNIL RAUT				
47	SWITI VIJAY DHOTE				
48	TANVEER SATTAR SHEIKH				
49	TEJAS RODEKAR				
50	UTKARSH SAHARE				
51	VIRENDRA TEJRAM ZADE				
52	VIVEK BISEN				
53	YAMUNA MADHUKAR RAUT				
54	YASH SURESH BEMAL				
55	OMPRAKASH CHANGDEO KHUBALKAR				
56	PADMAKANT LAXMIKANT KHARKATE				
57	ARPANA JIVAN LAMSE				
1	PALASH HIVRAJ SAHARE (ETRX)				

	Total No. Of Students				
	No. of Students Present				
	No. of Students Absent				
	Signature of faculty				

Prof. Minakshi Dhage
Exam In-charge


Dr. Sushama Telrandhe
HOD, ETC



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahgaon, Kalmeshwar road, Nagpur
NAAC Accredited
Session 2022-23 (ODD)

ACADEMIC CALENDAR

(For B. Tech. – III Sem)

Sr. No.	Months	Teaching Learning	Date
1	June-2022	Faculty Subject Choice	24 th June 2022
2		Load Calculation, Departmental Planning and Faculty Requirement	27 th June 2022
3		Verification of Classrooms and Laboratories	28 th June 2022
4		Display of Project Guide With Specialization	29 th June 2022
5		Stationary/ Equipment Requirement	30 th June 2022
6		Display of Time- Table (3 rd Sem)	1 st September 2022
7	September-2022	Preparation of Student List and Attendance Register (3 rd Sem)	2 nd September 2022
8		Preparation of Lesson Plan/ Teaching Plan	5 th September 2022
9		Commencement of Classes (3 rd Sem)	12 th September 2022
10		Student Registration to the Department (3 rd Sem)	12 th to 16 th September 2022
11		Teacher Guardian Allotment (3 rd Sem)	19 th September 2022
12		Industrial Visit/ III Cell Activity/ TG Meeting/ Forum Installation	19 th to 23 rd September 2022
13		Preparation of Course File, Lab Manual etc.	23 rd September 2022
14		Display of Assignment-I & II, Submission: 30-09-22	26 th September 2022
15		Attendance Review/ Provisional Student Detention List	28 th September 2022
16		Monthly Audit/ Student Feedback	29 th September 2022
17		Navratri Garba Celebration-2022	3 rd October 2022
18	October-2022	Display of Question Bank (3 rd Sem)	7 th October 2022
19		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	10 th to 14 th October 2022
20		Sessional-I Exam (3 rd Sem)	17 th to 21 st October 2022
21		Diwali Vacation	24 th to 28 th October 2022
22		Display of Assignment-III & IV, Submission: 07-11-22	31 st October 2022
23		Attendance Review/ Final Student Detention List	31 st October 2022
24		Monthly Audit/ Student Feedback	31 st October 2022
25		Display of Question Bank (3 rd Sem)	8 th November 2022
26	November-2022	Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	14 th to 18 th November 2022
27		Sessional-II Exam (3 rd Sem)	21 st to 25 th November 2022
28		Display of Assignment-V & VI, Submission: 05-12-22	28 th November 2022
29		Attendance Review/ Final Student Detention List	29 th November 2022
30	Monthly Audit/ Student Feedback	30 th November 2022	
31	December-2022	Internal Practical (3 rd Sem)	5 th to 8 th December 2022
32		PUT Exam (3 rd Sem)	12 th to 16 th December 2022

Note: - Above mentioned date are subject to change due to unavailable circumstances.

Prof. Neha Chourasia

Associate Dean (Academics)

Prof. Rajendra Bombe

Vice- Principal

Dr. Hemant Hajare

Principal



Question Bank

2022-23

Branch	Computer Science and Engineering
Semester	3RD
Subject	Computer Architecture and Digital Systems
Subject Code	BECSE304T



Question Bank

Subject: Computer Architecture and Digital Systems

UNIT-I		Marks	Blooms Level	CO _n
1	Classify logic gates and explain function of each in brief.	5	An	CO-1
2	Using Boolean Algebra show that: (any one) I. $BC + AC' + AB + BCD = BC + AC'$ II. $AB' + ABD + ABD' + A'C'D' + A'BC' = A + BC' + C'D'$	5	Ap	
3	Find Reduced Boolean expression using K-map (any one) 1. $F(A,B,C,D) = \pi M(5, 6, 7, 12, 13) + d(4, 9, 14, 15)$ 2. $F(A,B,C,D,E) = \sum m(0, 2, 3, 8, 9, 12, 13, 15)$	5	Ap	
4	Using K map reduce to a minimum SOP form $Y = A'B'C'D' + A'B'C'D + ABCD + ABCD' + A'BC' + AB'C$	5	Ap	
5	Verify De Morgans Theorem.	5	An	
6	Discuss on Multiplexers.	5	Un/An	
7	Discuss on De-multiplexers.	5	Un/An	
8	Discuss on Encoders.	5	Un/An	
9	Discuss on Decoders.	5	Un/An	
10	Design 3:8 decoder circuits.	5	Ap	
UNIT-II		Marks	Blooms Level	CO _n
11	Explain basic structure and its function in computer systems.	5	Un	CO-2
12	Explain Von-Neumans architecture of computer systems.	5	An	
13	Discuss on basic operational concepts of Computer systems.	5	Un	
14	Classify Bus structure explains each in brief.	5	An	
15	Classify various addressing modes and explain each with example.	5	An	
16	Explain how subroutine is working in computer system.	5	An	
17	Discuss on parameter passing.	5	Un	
18	Classify different instruction format and explain each in brief.	5	An	
19	Write short note on single bus structure.	5	Un	
20	Write short note on multiple bus structure.	5	Un	
UNIT-III		Marks	Blooms Level	CO _n



21	List various types of bus architecture and analyse function of any three buses.	5	An	CO-3
22	Explain with example, the steps of execution of complete Instruction.	5	An	
23	Explain sequencing of control signal for, fetch operation.	5	An	
24	Explain sequencing of control signal for, data read operation.	5	An	
25	Explain sequencing of control signal for, execution operation including arithmetic operation and saving the result in memory.	5	An	
26	Demonstrate hardwired control system.	5	Ap	
27	Demonstrate microprogrammed control system.	5	Ap	
28	Analyse function of each bit of micro-operation field F1, F2, and F3 of microinstruction format.	5	An	
29	Analyse function of each bit of Condition field CD of microinstruction format.	5	An	
30	Analyse function of each bit of Branching field BR of microinstruction format.	5	An	
UNIT-IV		Marks	Blooms Level	CO n
31	Illustrate with example Decimal to Binary and Binary to Decimal conversion.	5	An	CO-4
32	Illustrate with example Binary to Octal and Octal to Binary conversion.	5	An	
33	Illustrate with example Hexa-Decimal to Binary and Binary to Hexa-Decimal conversion.	5	An	
34	Evaluate difference between two binary numbers using two's complement method 1) Case-1 Minuend > Subtrahend 2) Case-2 Minuend < Subtrahend	5	Ev	
35	Determine sign of final result of addition and subtraction of signed magnitude using 8 different conditions.	5	Ev	
36	Explain addition algorithm and subtraction algorithm, also implement the same using hardware.	5	An / Cr	
37	Construct and verify the flowchart for signed arithmetic operation.	5	Ev/Cr	
38	Design a full adder using XOR and AOI logic.	5	Cr	
UNIT-V		Marks	Blooms Level	CO n
39	Discuss on various technologies used in memory design	5	Un	CO-5
40	Explain different types of memories used in computer architecture.	5	Ap	
41	Distinguish between Memory space and Address space	5	An	
42	Explain Page Table	5	Un	
45	Distinguish between Memory mapped I/O and I/O mapped I/O	5	An	
46	Illustrate interrupts and interrupt handling mechanism	5	An	
47	Classify interrupts	5	An	



48	Distinguish between synchronous and asynchronous data transfer.	5	An	
49	Discuss on DMA data transfer	5	Un	
50	Design higher order memory.	5	Cr	

Start your Questions with following list of BT Verbs, to map the Blooms Level.

Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Define	Approximate	Apply	Analyze	Compare	Assemble
Describe	Characterize	Assign	Characterize	Conclude	Combine
Draw	Clarify	Construct	Compare	Criticize	Compile
Enumerate	Classify	Demonstrate	Confirm	Defend	Compose
Identify	Compare	Derive	Correlate	Determine	Construct
List	Compute	Determine	Detect	Discriminate	Create
Match	Convert	Draw	Diagnose	Estimate	Design
State	Describe	Employ	Diagram	Evaluate	Develop
Study	Differentiate	Examine	Differentiate	Calculate	Formulate
Write	Discuss	Express	Discriminate	Compute	Generate
	Distinguish	Modify	Distinguish	Explain	Incorporate
	Elaborate	Plot	Examine	Grade	Integrate
	Estimate	Predict	Explain	Justify	Interface
	Explain	Prepare	Figure out	Measure	Model
	Express	Produce	Illustrate	Predict	Modify
	Give	Show	Infer	Prescribe	Organize
	Predict	Depict	Investigate	Rate	Prepare
	Review	Portray	Maximize	Summarize	perform
	Rewrite	Simulate	Minimize	Test	Produce
	Subtract	Sketch	Optimize	Validate	Program
	Summarize	Solve	Point out	Verify	Rearrange
	Translate	Use	transform		Reconstruct



Question Bank

2023-24

Branch	Electrical Engineering
Semester	5th Semester
Subject	Microprocessors and Microcontrollers
Subject Code	-----(-----



Subject: Microprocessor and Microcontroller

UNIT-I		Marks	Blooms Level	CO-n
1	Discuss briefly on Microprocessor based system.	5	Un	CO-1
2	Explain Internal architecture of 8 bit Microprocessor 8085.	5	Un	
3	Examine function of each bit of flag register.	5	Ap	
4	Define Addressing mode and classify addressing mode according to their function.	5	An	
5	Classify instruction set of 8085 and explain function of any one instruction under each instruction group.	5	An	
6	Compare function of between CALL and JMP instruction.	5	An	
7	Explain function of PCHL, SPHL, XTHL instructions.	5	An	
8	PCHL is known as one word JMP instruction, Justify .	5	Ev	
9	RSTn is known as one word CALL instruction, Justify .	5	Ev	
10	Explain the function of DAA instruction.	5	An	
UNIT-II		Marks	Blooms Level	CO-n
11	Explain Instruction cycle using timing diagram in 8085.	5	An	CO-2
12	Compare the function of PUSH and POP instruction in stack operation.	5	An	
13	Explain interrupt structure of 8085.	5	An	
14	Differentiate the role of CALL and RET instruction in execution of SURROUTINE.	5	An	
15	Summarize how ISR is executed after arrival of an Interrupt.	5	Ev	
16	Distinguish between linear and absolute decoding technique.	5	An	
17	Design a memory system for 8085 using linear decoding technique with 2KB RAM and 2KB ROM.	5	Cr	
18	Write an ALP to perform addition of 10 bytes in sequence.	5	An	
19	Write an ALP to perform two Multi-Byte hexadecimal numbers.	5	An	
20	Write an ALP to find square root of the number (81) residing at 1000H memory location and save the result at 1001H.	5	An	
UNIT-III		Marks	Blooms Level	CO-n
21	Portray the architecture of 8255 PPI and describe each functional block in brief.	5	Ap	
22	Write control word format of 8255 PPI, and examine function of each bit.	5	An	
23	List different mode of 8255 PPI, and Explain simple IO mode.	5	An	
24	List different mode of 8255 PPI, and Explain BSR mode.	5	An	
25	Design an interface between 8255 and 8085 Microprocessors.	5	Cr	



26	Design an interface between 8255, LED and 8085 Microprocessors.	5	Cr	CO-3
27	Design an interface between 8255, keyboard and 8085 Microprocessors.	5	Cr	
28	Design an interface between 8255, 7 segment display unit and 8085 Microprocessors.	5	Cr	
29	Portray the architecture of 8253/54 PIT and describe each functional block in brief.	5	Ap	
30	Write control word format of 8253/54 PIT, and examine function of each bit.	5	An	
31	Analyze various modes of 8253/54.	5	An	
32	Design an interface between 8253/54 and 8085 Microprocessors.	5	Cr	
33	Distinguish between 8085 and 8086 Microprocessors based on their features.	5	An	
UNIT-IV		Marks	Blooms Level	CO-n
34	Distinguish between 8085 Microprocessors and 8051 Microcontrollers based on their features.	5	An	CO-4
35	Portray the architecture of 8051 Microcontroller and describe each functional block in brief.	5	Ap	
36	Explain programming model (Register organization) of 8051.	5	An	
37	Write PSW format of 8051, and examine function of each bit.	5	An	
38	List addressing modes of 8051. Explain each with one example.	5	An	
39	Write an ALP to display the message “GNIET, Nagpur” continuously on display interfaced on port 2 of 8051.	5	Ap	
40	Explain stack operation in 8051.	5	An	
41	Write Interrupt SFRs format of 8051, and examine function of each bit.	5	An	
42	Write Timer SFRs format of 8051, and examine function of each bit.	5	An	
43	Write Serial port SFRs format of 8051, and examine function of each bit.	5	An	
UNIT-V		Marks	Blooms Level	CO-n
44	Design an interface between 8251 Microcontroller, 4KB ROM and 2KB RAM memory.	5	Cr	CO-5
45	Design an interface between 8251 Microcontroller, 7-segment LED display.	5	Cr	
46	Design an interface between 8251 Microcontroller, LCD display.	5	Cr	
47	Design an interface between 8251 Microcontroller, and 8x8 keyboard matrix.	5	Cr	
48	Design an interface between 8251 Microcontroller, Stepper motor	5	Cr	
49	Design an interface between 8251 Microcontroller, DC motor	5	Cr	



50	Design an interface between 8251 Microcontroller, ADC 0809	5	Cr	
51	Design an interface between 8251 Microcontroller, DAC 0800	5	Cr	
52	Discuss briefly on features and applications of ARDUINO.	5	Un	

Start your Questions with following list of BT Verbs, to map the Blooms Level.

Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Define	Approximate	Apply	Analyze	Compare	Assemble
Describe	Characterize	Assign	Characterize	Conclude	Combine
Draw	Clarify	Construct	Compare	Criticize	Compile
Enumerate	Classify	Demonstrate	Confirm	Defend	Compose
Identify	Compare	Derive	Correlate	Determine	Construct
List	Compute	Determine	Detect	Discriminate	Create
Match	Convert	Draw	Diagnose	Estimate	Design
State	Describe	Employ	Diagram	Evaluate	Develop
Study	Differentiate	Examine	Differentiate	Calculate	Formulate
Write	Discuss	Express	Discriminate	Compute	Generate
	Distinguish	Modify	Distinguish	Explain	Incorporate
	Elaborate	Plot	Examine	Grade	Integrate
	Estimate	Predict	Explain	Justify	Interface
	Explain	Prepare	Figure out	Measure	Model
	Express	Produce	Illustrate	Predict	Modify
	Give	Show	Infer	Prescribe	Organize
	Predict	Depict	Investigate	Rate	Prepare
	Review	Portray	Maximize	Summarize	perform
	Rewrite	Simulate	Minimize	Test	Produce
	Subtract	Sketch	Optimize	Validate	Program
	Summarize	Solve	Point out	Verify	Rearrange
	Translate	Use	transform		Reconstruct



Department of computer science and engineering

Subject: COMPUTER NETWORKS

UNIT I

PART A

1. What are the two types of line configuration?
2. What do you mean by error control?
3. Define flow control?
4. What is redundancy?
5. Write short notes on error correction?
6. Mention the types of error correcting methods.
7. What are the steps followed in checksum generator?
8. Define checksum.
9. Write short notes on CRC checker.
10. Write short notes on LRC.
11. List out the available detection methods.
12. Mention the types of errors and define the terms?
13. Distinguish between peer-to-peer relationship and a primary-secondary relationship.
14. What are the ways to address the framing problem?
15. What are the responsibilities of data link layer?
16. What are the functions of Application layer?
17. Define Bit stuffing.



18. What are the features provided by layering?
19. What are header and trailers and how do they get added and removed?
20. Group the OSI layers by function?
21. What are the two types of parity checks? Define it.
22. Draw a neat diagram of Internet protocol graph.

PART B

1. Explain in detail the error detection and error corrections. (16)
2. With a neat diagram explain in detail about the Network architecture. (16)
3. Discuss in detail about HDLC. (16)
4. (i) What is the difference between Internet architecture and OSI architecture? (8)
(ii) Explain about coaxial cable and fiber optics media for communication. (8)
5. Discuss about the links operated on the physical media in detail. (16)
6. Explain the different approaches of framing in detail. (16)
7. Discuss about different types of Issues in data link layer. (16)
8. (i) Write about channel access on links. (8)
(ii) Explain about FDMA and TDMA in detail. (8)
9. (i) A block of 32 bits has to be transmitted. Discuss how the thirty two bit block is transmitted to the receiver using Longitudinal Redundancy Check. (4)
(ii) Consider a 32 bit block of data 11100111 11011101 00111001 10101001 that has to be transmitted. If Longitudinal Redundancy Check is used what is the transmitted bit stream? (6)
(iii) In the Hamming code, for a data unit of m bits how do you compute the number of redundant bits 'r' needed? (6)



UNIT II

PART A

1. What is CSMA?
2. Explain CSMA/CD
3. Mention some of the physical properties of Ethernet.
4. What is the role of VCI?
5. What do you mean by error control?
6. What are the functions of bridges?
7. What is the size of Ethernet address?
8. What is the advantage of FDDI over a basic token ring?
9. List any two functions which a bridge cannot perform?
10. Mention the function of hub.
11. Mention different random access techniques?
12. List the two types of data frames in FDDI
13. What is the purpose of the NAV?
14. Name the four types of S frames.
15. What is the access method used by wireless LANs?

PART B

1. Explain the CSMA/CD algorithms of Ethernet. (8)
2. Explain in details about the access method and frame format used in Ethernet and token ring. (16)
3. Name the four basic network topologies and explain them giving all the relevant features (16)
4. (i) Explain the working of carrier sense multiple access protocol. (3)
(ii) How does a Token Ring LAN operates? Discuss. (6)



- (iii) List and briefly discuss the two different basic transmission technologies that can be used to set up wireless LAN's. (7)
5. Explain the frame format, operation and ring maintenance feature of IEEE 802.5 MAC protocol. (16)
 6. Briefly define key requirements for wireless LANs. (16)
 7. Describe the FDDI frame format and explain. (16)
 8. Discuss the MAC layer functions of IEEE 802.11. (8)
 9. Explain in details the types of bridges. (8)

UNIT III

PART – A

1. List the difference between circuit switching and Packet switching.
2. What are the different kinds of Multicast Routing?
3. Discuss the class field in IP address.
4. What is meant by circuit switching?
5. What is multicasting?
6. What is a hostid and netid?
7. How does a netid differ from a network address?
8. What is the purpose of subnetting?
9. Define Masking.
10. What is the difference between boundary level masking and non-boundary level masking.
11. What is the function of router?
12. How does a router differ from a bridge?
13. Find the class of each addresses.



14. Why is adaptive routing superior to non adaptive routing?
15. What are the three main elements of distance vector algorithms.
16. What is address resolution?
17. What are the benefits of subnetting a network?
18. What are the metrics used by routing protocols?

PART B

1. Explain shortest path algorithm with a suitable illustration. (16)
2. Explain the distance vector routing algorithm.(16)
3. Mention the limitations of distance vector routing algorithm.(8)
4. Explain the building and distribution of link state packets in link state routing algorithm.(8)
5. Mention the limitations of link state routing algorithm.(8)
6. Explain link state routing and discuss its advantages over distance vector routing.(8)
7. Explain in details packet switching.(16)
8. Explain in details Datagram approach.(16)
9. Explain in details IP addressing methods.(16)
11. i. In classful addressing how is an IP address in class A, Class B and Class C divided? (4)
- ii. Given the address 23.56.7.91 and the default class A mask, find the beginning address (network address). (6)
- iii. Given the address 201.180.56.5 and the default class C mask, find the beginning address (network address). (6)



UNIT IV

PART A

1. What are the services provided by transport layer protocol?
2. What is the difference between network service and transport service?
3. List some of the Quality of service parameters of transport layer
4. What are the functions of transport layers?
5. What is transport entity?
6. What is segmentation?
7. What is the purpose of sequence control?
8. How transport layer performs Duplication control?
9. What are the service primitives in simple transport protocol?
10. What is the methods to improve Qos?
11. What is traffic shaping? Name two methods of shape traffic?
12. What is the use of sequence numbers?

PART B

1. Explain a congestion control algorithm. (16)
2. Explain the duties of Transport layer. (16)
3. Explain the TCP transmission policy, Congestion control. (8)
5. Explain the TCP header and working of the TCP protocol. (16)
6. Explain the various fields of TCP header with the help of a neat diagram.(16)
7. Explain the various steps that are followed in releasing a TCP connection. (16)
8. Explain the three way handshake protocol to establish the transport level connection. (8)
9. Discuss about congestion control in frame relay. (16)
10. Discuss the various issues of transport layer in details. (16)



UNIT V

PART A

1. Discuss the three main divisions of the DNS.
2. What role does the DNS resolver play in the DNS system?
3. How does a DNS Resolver bootstrap the domain name lookup process?
4. Define SMTP.
5. Define the term domain.
6. What are the two parts of addressing system in SMTP?
7. Discuss MIME.
8. What are the services provided by user agent?
9. What are the four properties of HTTP?
10. What are the four groups of HTTP header?
11. What are categories of web documents?
12. What are basic functions of email system?
13. What is WWW?
14. What is the web browser?
15. What is a post office protocol?
16. Compare the HTTP and FTP.
17. What is mailing list?
18. What are the two main categories of DNS messages?
19. Define cryptography.
20. What are the two categories of cryptography methods? What is the main difference between the categories?



21. What are the advantages of public key encryption/decryption?

PART B:

1. Explain DNS with reference to its components and working. (16)
2. Explain the message transfer using simple mail transfer protocol. (8)
3. Explain the final delivery of email to the end user using pop3. (8)
4. Write short notes on email services of the application layer. (8)
5. Explain in details WWW. (8)
6. Explain the architecture and services of e-mailing system. (16)
7. What are the two categories of encryption/decryption methods? What is the main difference between the categories. (8)
8. With a relevant example discuss how the domain space is divided. (6)
 - ii. Distinguish between a fully qualified domain name and a partially qualified domain name. Give relevant example. (6)
 - iii. List the various risks faced by messages that are transmitted over the internet. (4)
9. i. Discuss how simple mail transfer protocol (SMTP) works? Can multimedia messages be transmitted using SMTP? Discuss. (10)
 - ii Is common gateway interface a languages. Discuss. (6)



Question Bank

2023-24

Branch	Computer Science &Engineering
Semester	5th Semester
Subject	Effective Technical Communication
Subject Code	BTECH_CSE-506T

Department of Computer Science & Engineering

UNIT- I, II, III & IV		Marks	Blooms Level	COs
1	Correct the following sentences.	5		CO-1



	<p>i) Measles are an infections disease. ii) Are either of the twins alive? iii) Much of the countryside were flooded. iv) We lodged a FIR against the thief. v) Are you good in tennis?</p>			
2	<p>Do as directed i) The tsunami wave killed hundreds of people. (change the voice) ii) Who opened the door? (change the voice) iii) I said to him, "I have been reading the novel since 2 pm". (change the narration) iv) Pinki regretted with sorrow that she had failed again. (change the narration) v) Shall we have fun? (change into assertive sentence)</p>	5		
3	<p>Rewrite as directed of the following. i) Ram Said, "I am tired now" (change the narration) ii) Pradeep does the duty very well. (Change the voice) iii) The Aeroplan flies faster than birds. (change in to Negative sentence). iv) Rahul is an intelligent student. (Add a question tag) v) He earned his Ph. D. at the age of 77. (Make it a complex sentence).</p>	5		
4	<p>Do as directed i) Make new words with given prefixes and write their meanings i) Sub ii) Inter ii) Give one word for the following. i) A book giving instructions or information ii) One who is neither intelligent nor dull. iii) Give two examples of words formed out of Clipping. iv) Explain the Jargon - Spam. v) Make new words with given suffix and write their meaning i)-er ii) ian</p>	5		
5	<p>Do as directed i) Give one word for "one who copies from other writers".ii) Choose the word which can be substituted for "a thing which is no longer in use" iii) Find similar relationship from the options given - Pulse : Heart a)pitch : music b) nerve : brain c) tick : clock d) motor : engine e) blood : arteriesiv) Make a new word with prefix 'para' and explain its meaning.v) Explain the term 'alma mater'.</p>	5		
6	<p>Read the passage and answer the questions that follow :</p> <p>You are living in an age when there are great opportunities for women in socia - work, public life and administration. Society requires women of disciplined minds & restrained manners. Whatever line of work you</p>	5		



	<p>undertake, you should bring to it an honest, disciplined mind. You will then succeed and have the joy of your work. Actually in our country, education, so far as girls education is concerned, is not widespread enough. So every institution which contribute to the education of girls is worthy of recognition and encouragement. But I am anxious that the kind of education that is imparted must not only be broad but should also be deep. We are lacking in depth, we may become learned and skilled but it we do not have some kind of purpose in our life, our lives themselves become blind, blundering and bitter. The Gita says, 'vyavasayatmikabuddhirekeha'. For a truly cultured mind, there is single-mindedness, a dedication to a single purpose. For the uncultured mind, the whole life is scattered in many directions; 'bahusakhohyanantascta'. Therefore it is essential that the education which you acquire in these institutions should give you not merely learning and skill but endow you with a definite purpose in life. What that purpose is, you have to define for yourselves. It is said that Vidya gives you Viveka, a sense of what is right and helps you to avoid what is wrong. You must try therefore to find out what is required of you in this generation. A purpose which hailed good centuries ago, may not hold good today in view of the rapidly changing conditions of our country and of the world. So the purpose which you adopt in your life must be adapted to the relevant needs of the present generation.</p> <p>Questions :i)What does education mean to people in general? ii)How do we know that our actions are right or wrong? iii)What kind of approach to work has been suggested? iv)Describe three objects of education.v)What is the significance of technical skills in life?</p>			
7	<p>Use the following idioms and phrases in sentences of your own i)keep your chin up ii) come across iii) an apple of discord iv) in the cards v)hang about</p>	5		
8	<p>Prepare a user manual of a 'mobile' under the following headings : a) Cover Page b) diagram c) Functions d) Operation e) Precautions f) Guarantee</p>	5		
9	<p>Write a note on the various components of which a research paper is made up of \ Write the format of writing Research paper.</p>	5		
10	<p>Explain the different types of Job Interviews</p>	5		
11	<p>Write an application in response to the following advertisement. Assume that you are Arjun Singh. You have completed your M. Tech. in computer science from IIT Delhi. You are a dynamic professional with excellent communication skills. Apply in a multinational company based in Mumbai along with your resume.</p>	5		



12	Assume that as a project development officer you have been asked by the NIT of computer education, OPERA Building 24/15 camp, Pune to set up a communication technology center at Nagpur for training professionals in the use of latest technological aids for face to face and distance communication .Write a proposal for the same	5		
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Start your Questions with following list of BT Verbs, to map the Blooms Level.

Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Define	Approximate	Apply	Analyze	Compare	Assemble
Describe	Characterize	Assign	Characterize	Conclude	Combine
Draw	Clarify	Construct	Compare	Criticize	Compile
Enumerate	Classify	Demonstrate	Confirm	Defend	Compose
Identify	Compare	Derive	Correlate	Determine	Construct
List	Compute	Determine	Detect	Discriminate	Create
Match	Convert	Draw	Diagnose	Estimate	Design
State	Describe	Employ	Diagram	Evaluate	Develop
Study	Differentiate	Examine	Differentiate	Calculate	Formulate
Write	Discuss	Express	Discriminate	Compute	Generate
	Distinguish	Modify	Distinguish	Explain	Incorporate
	Elaborate	Plot	Examine	Grade	Integrate
	Estimate	Predict	Explain	Justify	Interface
	Explain	Prepare	Figure out	Measure	Model
	Express	Produce	Illustrate	Predict	Modify
	Give	Show	Infer	Prescribe	Organize
	Predict	Depict	Investigate	Rate	Prepare
	Review	Portray	Maximize	Summarize	perform
	Rewrite	Simulate	Minimize	Test	Produce
	Subtract	Sketch	Optimize	Validate	Program
	Summarize	Solve	Point out	Verify	Rearrange
	Translate	Use	transform		Reconstruct



Question Bank

2023-24

Branch	Computer Science &Engineering
Semester	3rd Semester
Subject	Universal Human Values
Subject Code	BTECH_CSE-506T

Department of Computer Science & Engineering

UNIT-I& II	Marks	Blooms Level	COs
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1	What is value education? Why there is a need for value education?	5	Re	CO-1
2	What is the purpose for value education?	5	Re	
3	What is happiness and prosperity? What are the wrong notions about attaining happiness and prosperity? What are the problems faced due to these wrong notions about happiness and prosperity?	5	Re/Un	
4	Do you think that human beings are a sum-total of sentiments and physical aspects the 'self' and the 'body'? Explain your answer using examples.	5	Un/An	
5	Define the process of self-exploration with help of diagram and its benefits	5	Re	
6	Distinguish between the needs of the self and the needs of the body.	5	Un	
7	What is Sanyam? How is it necessary in ensuring svasthya?	5	Re	
8	What is your vision of Happy and Prosperous life?	5	Un	

Start your Questions with following list of BT Verbs, to map the Blooms Level.

Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Define	Approximate	Apply	Analyze	Compare	Assemble
Describe	Characterize	Assign	Characterize	Conclude	Combine
Draw	Clarify	Construct	Compare	Criticize	Compile
Enumerate	Classify	Demonstrate	Confirm	Defend	Compose
Identify	Compare	Derive	Correlate	Determine	Construct
List	Compute	Determine	Detect	Discriminate	Create
Match	Convert	Draw	Diagnose	Estimate	Design
State	Describe	Employ	Diagram	Evaluate	Develop
Study	Differentiate	Examine	Differentiate	Calculate	Formulate
Write	Discuss	Express	Discriminate	Compute	Generate
	Distinguish	Modify	Distinguish	Explain	Incorporate
	Elaborate	Plot	Examine	Grade	Integrate
	Estimate	Predict	Explain	Justify	Interface
	Explain	Prepare	Figure out	Measure	Model
	Express	Produce	Illustrate	Predict	Modify
	Give	Show	Infer	Prescribe	Organize
	Predict	Depict	Investigate	Rate	Prepare
	Review	Portray	Maximize	Summarize	perform
	Rewrite	Simulate	Minimize	Test	Produce
	Subtract	Sketch	Optimize	Validate	Program
	Summarize	Solve	Point out	Verify	Rearrange
	Translate	Use	transform		Reconstruct



Department of computer science and engineering

Subject: COMPUTER NETWORKS

UNIT-1

1. a. Compare Connection oriented and connectionless service. 6M b. Explain the functions and protocols and services of each layer? 6M
 2. What are the major components of an optical communication system? 12M
 3. a) Explain about the Guided transmission Medias in computer networks? 6M b) Briefly explain about the public switched telephone networks 6M
 4. Write about network software & hardware 12M
 5. Discuss about a) Computer applications 6M b) Features of LAN, MAN, WAN 6M
 6. With a neat diagram describe in detail about the Network architecture. 12M
 7. Explain in detail about a) Data Link Layer and Network Layer 6M b) Physical Layer 6M
 8. Distinguish between point to point links and multi point links. Give relevant diagrams 12M
 9. Discuss various types of networks topologies in computer network. 12M
 10. Explain the ISO-OSI model of computer network with a neat diagram 12M
- QUESTION BANK 2019 2



UNIT-2

1. Explain the operation of the bit-oriented protocol HDLC with the required frames 12M
2. Explain the various error detection and correction Mechanisms used in computer network 12M
3. Discuss about a) GO BACK NARQ 6M b) Selective repeat ARQ 6M
4. Explain about the Elementary data link protocols?. 12M
5. a. Discuss stop and wait protocol 7M b. Explain about the Carrier Sense Multiple Access Protocols? 5M
6. Briefly discuss about data link layer design issues? 12M
7. Explain about the data Link Layer switching 12M
8. Explain MAC sub layer protocol and frame structure of IEEE 802.11. 12M
9. Describe sliding window protocol using Go back n. 12
10. Compare and distinguish in detail the concept of Virtual-Circuit and Data gram Networks. 12M

UNIT-3

1. a.)State the major difference between distance vector routing and link state routing. 7M b) How these routing techniques work 5M
2. Explain about the Routing algorithms. 12M



3. Discuss about a) concept of leaky bucket algorithm? 7M b) token bucket algorithm with neat diagram 5M
4. Explain in detail congestion control algorithms 12M
5. Explain CSMA/CD protocol 12M
6. Classify the functions of Bridges & Switches in brief. 12M
7. Explain the function of ARP & RARP 12M
8. a. Explain distance vector routing in detail. 7M b. Discuss about Inter-network Routing? 5M
9. Write a detail note on Internet protocols 12M QUESTION BANK 2019 3
10. a) Explain about the Shortest Path Algorithm? 7M b) Explain packet switching in detail. 5M

UNIT-4

1. a) Explain the duties of transport layer. 6M b) Write short notes on performance issues of transport layer 6M
2. Show the different approaches in Packet Switching. Explain them in detail. 12M
3. Enumerate the mechanism of three way handshake protocol for TCP 12M
4. Explain in detailed about the Transport Layer. 12M
5. Describe about a) TCP connection management. 5M b) Avoidance of congestion in TCP 7M



6. Explain the function of TCP/IP protocol. 12M
7. a) Explain about elements of transport protocols 7M b) Briefly explain the internet transport protocols 5M
8. a) Discuss TCP and its various operations 12M b) Write short notes on User Datagram Protocol (UDP). 12M
9. Explain the operation of TCP with neat sketch. 12M
10. Discuss the various timers used by TCP to perform its various operations. 12M

UNIT-5

1. Explain how security is provided in interact operations in detail 12M
 2. a) Explain the working of Electronic mail. How SMTP used in Email applications 6M b) List and discuss the types of DNS records. 6M
 3. Discuss in detail about world wide web 12M
 4. a) Explain the encryption and decryption methods. 6M b) Discuss Application layer in details 6M
 5. Explain in detail about function and structure of e-mail protocol. 12M
 6. a) Discuss the File transfer Protocol (FTP)with a neat diagram. 6M b) Explain briefly simple network management protocol 6M
- QUESTION BANK 2019 4
7. Write short notes on IMAP and MIME with an example 12M
 8. a)Discuss the features of HTTP and also discuss how HTTP works. 6M b) Explain about Application layer and its services in detail? 6M



9. Describe the role of a DNS on a computer network with reference to its components. 12M

10. a) Write briefly about World wide web 6M b) Describe about High speed LANs 6M

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Department of computer science and engineering

Subject: COMPUTER NETWORKS



Sessional-I (Month/Year)

Subject:Computer Architecture and Digital systems

Code:-----

Branch/Semester:-CSE- 3RD Semester

Time: 12:15 PM to 01:15 PM **Date-** -----

Maximum Marks: 30

Note:Attempt any 03 Questions from group CO-1 and CO-2 each. All Questions carry equal marks.

Ques.	Description	Marks	Blooms level	CO-n
1	Using Boolean Algebra show that: (any one) I. $BC + AC' + AB + BCD = BC + AC'$ II. $AB' + ABD + ABD' + A'C'D' + A'BC' = A + BC' + C'D'$	5	Ap	CO-1
2	Find Reduced Boolean expression using K-map (any one) 1. $F(A,B,C,D) = \pi M(5, 6, 7, 12, 13) + d(4, 9, 14, 15)$ 2. $F(A,B,C,D,E) = \sum m(0, 2, 3, 8, 9, 12, 13, 15)$	5	Ap	
3	Verify De Morgans Theorem.	5	An	
4	Discuss on Multiplexers.	5	Un/An	
5	Discuss on basic operational concepts of Computer systems.	5	Un	CO-2
6	Classify Bus structure explains each in brief.	5	An	
7	Classify different instruction format and explain each in brief.	5	An	
8	Write short note on single bus structure.	5	Un	



Sessional-II (Month/Year)

Subject:Computer Architecture and Digital systems

Code:-----

Branch/Semester:-CSE- 3RD Semester

Time: 12:15 PM to 01:15 PM **Date-** -----

Maximum Marks: 30

Note: Attempt any 03 Questions from group CO-1 and CO-2 each. All Questions carry equal marks.

Ques.	Description	Marks	Blooms level	CO-n
1	List various types of bus architecture and analyse function of any three buses.	5	An	CO-3
2	Explain with example, the steps of execution of complete Instruction.	5	An	
3	Demonstrate microprogrammed control system.	5	Ap	
4	Analyze function of each bit of Branching field BR of micro instruction format.	5	An	
5	Illustrate with example Decimal to Binary and Binary to Decimal conversion.	5	An	CO-4
6	Evaluate difference between two binary numbers using two's complement method 1) Case-1 Minuend > Subtrahend 2) Case-2 Minuend < Subtrahend	5	Ev	
7	Determine sign of final result of addition and subtraction of signed magnitude using 8 different conditions.	5	Ev	
8	Explain addition algorithm and subtraction algorithm, also implement the same using hardware.	5	An / Cr	



Sessional-I (Month/Year)

Subject: Microprocessor and Microcontrollers

Code: -----

Branch/Semester: ---EE/5th Semester-----

Time: -12:15 PM-- to -1:15 PM- **Date-** -----

Maximum Marks: 30

Note: Attempt any 03 Questions from group CO-1 and CO-2 each. All Questions carry equal marks.

Ques.	Description	Marks	Blooms level	CO-n
1	Explain Internal architecture of 8 bit Microprocessor 8085.	5	Un	CO-1
2	Examine function of each bit of flag register.	5	Ap	
3	PCHL is known as one word JMP instruction, Justify.	5	Ev	
4	RSTn is known as one word CALL instruction, Justify.	5	Ev	
5	Summarize how ISR is executed after arrival of an Interrupt.	5	Ev	CO-2
6	Distinguish between linear and absolute decoding technique.	5	An	
7	Design a memory system for 8085 using linear decoding technique with 2KB RAM and 2KB ROM.	5	Cr	
8	Write an ALP to perform addition of 10 bytes in sequence.	5	An	



Sessional-II (Sept-2023)

Subject: Microprocessor and Microcontrollers

Code: -----

Branch/Semester: ---EE/5th Semester-----

Time: -12:15 PM-- to -1:15 PM- **Date-** -----

Maximum Marks: 30

Note: Attempt any 03 Questions from group CO-3 and CO-4 each. All Questions carry equal marks.

Ques.	Description	Marks	Blooms level	CO-n
1	Portray the architecture of 8255 PPI and describe each functional block in brief	5	Ap	CO-3
2	List different mode of 8255 PPI, and Explain BSR mode.	5	An	
3	Design an interface between 8255 and 8085 Microprocessors.	5	Cr	
4	Design an interface between 8255, LED and 8085 Microprocessors.	5	Cr	
5	Distinguish between 8085 Microprocessors and 8051 Microcontrollers based on their features.	5	An	CO-4
6	Explain programming model (Register organization) of 8051.	5	An	
7	Write an ALP to display the message “GNIET, Nagpur” continuously on display interfaced on port 2 of 8051.	5	Ap	
8	Write Serial port SFRs format of 8051, and examine function of each bit.	5	An	



**SESSIONAL EXAMINATION
 [PUT-Winter 2023]**

Subject: Microprocessor & Microcontroller

Code: -----

Branch/Semester: Electrical Engineering / 5th Semester

Time: 10:15 AM to 01:15 PM Date- 12-10-2023

Maximum Marks: 70

Note: Attempt Questions as follows:

Q1 or Q2 – Unit-I

Q3 or Q4 – Unit-II

Q5 or Q6 – Unit-III

Q7 or Q8 – Unit-IV

Q9 or Q10 – Unit-V

Each Questions carries equal mark (14). Each part carries equal mark (7)

Ques.	Part	Description	Marks	Blooms level	CO-n	
Q1	a	Explain Internal architecture of 8 bit Microprocessor 8085.	7	Un	CO-1	
	b	Examine function of each bit of flag register.	7	Ap		
OR						
Q2	a	RSTn is known as one word CALL instruction, Justify .	7	Ev		
	b	Explain the function of DAA instruction.	7	An		
Q3	a	Differentiate the role of CALL and RET instruction in execution of SUROUTINE.	7	An	CO-2	
	b	Summarize how ISR is executed after arrival of an Interrupt.	7	Ev		
OR						
Q4	a	Write an ALP to find square root of the number (81) residing at 1000H memory location and save the result at 1001H.	7	An		
	b	Distinguish between linear and absolute decoding technique.	7	An		
Q5	a	Portray the architecture of 8253/54 PIT and describe each functional block in brief.	7	Cr	CO-3	
	b	Design an interface between 8255, LED and 8085 Microprocessors.	7	Cr		



OR					
Q6	a	Design an interface between 8255 and 8085 Microprocessors.	7	Cr	CO-4
	b	Write control word format of 8253/54 PIT, and examine function of each bit.	7	An	
Q7	a	Write PSW format of 8051, and examine function of each bit.	7	An	
	b	List addressing modes of 8051. Explain each with one example.	7	An	
OR					
Q8	a	Explain stack operation in 8051.	7	An	
	b	Write Interrupt SFRs format of 8051, and examine function of each bit.	7	An	
Q9	a	Design an interface between 8251 Microcontroller, 4KB ROM and 2KB RAM memory.	7	Cr	CO-5
	b	Design an interface between 8251 Microcontroller, 7-segment LED display.	7	Cr	
OR					
Q10	a	Design an interface between 8251 Microcontroller, DC motor	7	Cr	
	b	Design an interface between 8251 Microcontroller, ADC 0809	7	Cr	



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY,
NAGPUR

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Session 2022-23(ODD)

Sessional 1

Time Table

Date: 18/08/2022

Day	Date	Time	VII SEM
Mon	22/08/2022	10.00am-11.00am	LANGUAGE PROESSOR
Tue.	23/08/2022	10.00am-11.00am	MOBILE COMPUTING
Wed.	24/08/2022	10.00am-11.00am	DATA WAREHOUGING AND MINING
Thu.	25/08/2022	10.00am-11.00am	TCP / IP

Note :

- 1) It is compulsory for all the students to appear for the exam.
- 2) The question paper of each subject will be of descriptive pattern
- 3) Total number of questions:08(From 2units),Solve any 5, Maximum marks: 20,Time:1Hr.
- 4)Sessional exam will be conducted in first class, remaining classes will continue as per time table.


Prof Ayaz Khan
HOD,CSE, GNIET



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electrical Engineering

Computer
Sessional - I

Year/Sem: IV Yr/VII SEM

Time: - 01 Hours

Date:-

Subject;

Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Write short note on 2G services.
2. Describe antennas and its types.
3. Explain the simplified reference model of wireless system.
4. Differentiate between wired and wireless network.
5. Compare SDMA, FDMA, TDMA and CDMA with various factors
6. What are the applications of wireless communication?
7. Explain in detail cellular system in wireless communication system
8. Explain space and frequency division multiplexing
With detail diagram



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of ~~Electrical Engineering~~ **Computer Engineering**
Sessional - I

Year/Sem: IV Yr/VII SEM

Subject:

Time: - 01 Hours

Maximum Marks: - 20

Date:-

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. What is Computer Network? What is need of Computer Network? 4
2. What is mean by Protocol? Explain its Standards. 4
3. Explain TCP/IP Reference Model In detail 4
4. Different between wired LAN & wireless LAN or Different between Ethernet (802.3) & IEEE802.11 4
5. Explain the concept of Classful addressing 4
6. Change the following IP Address from dotted Decimal notation to binary notation. 4
i)114.34.2.8 ii)129.14.6.8
iii)208.34.54.12 iv)241.34.2.1
7. Explain Class A addressing. 4
8. Find the Class of following IP address. 4
i)208.34.54.12
ii)238.34.2.1
iii)114.34.2.8
iv)129.14.6.8
v)241.34.2.8



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SESSION 2022-23
DEPARTMENT OF COMPUTER SCIENCE&ENGINEERING
SESSIONAL-I

Year/Sem: IV Yr/VII SEM

Subject: Dataware Housing &
Data Mining
Maximum Marks: - 20

Time: - 01 Hours

Date:-

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Explain the evolution of Database technology?	4
2. Explain the steps of knowledge discovery in databases?	4
3. Explain various tasks in data mining?	4
4. Explain various techniques in data mining?	4
5. Explain the major issues in data mining.	4
6. Explain the classification of data mining systems.	4
7. Explain the data mining functionalities in detail.	4
8. Explain the Three-tier data warehouse architecture?	4



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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.
 Department of Computer Science Engineering

Sessional - I

Year/Sem: IV Yr/VII SEM
 Time: - 01 Hours
 Date:- 22/0/22

Subject: LP

Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. What are different phases of compiler. Explain them in detail. 4
2. What is Cross compiler ? Explain How bootstrapping is used in design of a compiler 4
3. What are compiler writing tools . 4
4. Write and LEX program to identify the Token keyword dentfer and special symbol. 4
5. Explain RMD and LMD . 4
6. Give the difference between One pass compiler and two pass compiler 4
7. What s CFG. 4
8. What s ambiguous grammar ? Check whether the given CFG ambiguous or not. 4

S → aSbS /bSaS / €

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Computer Science Engineering

Sessional - I

Year/Sem: IV Yr/VII SEM
 Time: - 01 Hours
 Date:- 22/0/22

Subject: LP

Maximum Marks:- 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. What are different phases of compiler. Explain them in detail. 4
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7. What s CFG. 4
8. What s ambiguous grammar ? Check whether the given CFG ambiguous or not. 4

S → aSbS /bSaS / €




Guru Nanak Institute Of Engineering & Technology, Nagpur
Dahegaon, Kalmeshwar Road,
Nagpur-4415001
Department of Computer Science and Engineering
(NAAC Accredited)

Date :- 05/09/2022

Notice

All the students of 5sem cse are hereby informed that the Sessional -I Exam will be starting from 12Sep2022 and exam time table will be displayed on Notice Board as well as in students whatsapp group.


Prof Ayaz Khan
I/c HOD , CSE

Copy to

1. Principal , GNIET
2. Vice-Principal , GNIET



**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY,
NAGPUR**
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Session 2022-23(ODD)

Sessional I


Time Table


Date: 5/09/2022

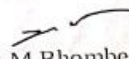
Day	Date	Time	V SEM
Mon	12/09/2022	10.00am-11.00am	Design Pattern
Tue.	13/09/2022	10.00am-11.00am	Artificial Intelligence
Wed.	14/09/2022	10.00am-11.00am	SEPM
Thu.	15/09/2022	10.00am-11.00am	Design & Analysis of Algorithm
Friday	16/09/2022	10.00am-11.00am	Effective Technical Communication


Note:

- 1) It is compulsory for all the students to appear for the exam.
- 2) The question paper of each subject will be of descriptive pattern
- 3) Total number of questions: 08(From 2units), solve any 5, Maximum marks: 20, Time: 1Hr.
- 4) Sessional exam will be conducted in first class, remaining classes will continue as per time table.


Prof. Ayaz Khan
HOD, CSE


Prof. Neha Chourasia
Associate Dean Academics


Prof. R.M.Bhombe
Vice Principal


Dr. Hemant Hajare
Principal



Guru Nanak Institute of Engineering & Technology Nagpur

Subject- Effective Technical Communication

Semester -V sem (CSE)

Total Marks-20

NOTE-1) Solve questions as per given instructions.
2) Each questions carry one marks

Q.1.a) Correct any four of the following sentences [4 M]

- i) She is an university student.
- ii) The drainage and sanitary system of this town is not good.
- iii) When I went there I found the tiger was disappear.
- iv) Sanskrit, as well as French, were taught there.
- v) Copy word to word.

Q.1.b) Do as directed any four. [4 M]

- i) 'Do you really come from Japan?' said the prince. (Change the narration)
- ii) I am certain of giving you satisfaction. (Change into compound sentence)
- iii) You have done this before (Change the voice)
- iv) You made up your own study material (Add a Question tag)
- v) Your malicious remarks compel me to write this letter. (Change the voice)
- vi) Iron is more useful than copper. (Change the degree)

Q.1.c) Use any four of the following idioms and phrases in sentences of your own. [4 M]

- i) White elephant
- ii) A snake in the grass
- iii) To bark upon a wrong tree
- iv) Blue in the face
- v) A cold fish
- vi) End of the world.

Q.2.a) Do as directed any four. [4 M]

- i) Explain the meaning and origin of the word 'Wanderlust'.
- ii) Make two words using the prefix 'Sub'.
- iii) Make two words using the suffix 'dom'.
- iv) Write any two technical jargon related to medical field.
- v) Explain the phrase 'Kept in the Loop'.
- vi) Write a one word for "one who knows many languages"

Q.2.b) Do as directed any four. [4 M]

- i) Give one word for "one who copies from other writers".
- ii) Choose the word which can be substituted for "a thing which is no longer in use"
- iii) Write a substitute for "A government runs by a people"

iv) Find similar relationship from the options given

Pulse : Heart

- a) pitch : music b) nerve : brain
- c) tick : clock d) motor : engine e) blood : arteries

v) Find similar relationship from the options given

Purity : Evil

- a) Night : Day b) north : Climate
- c) angle : horns d) boldness : victory



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur-441 501
Department of Computer Science and Engineering
Sessional - I

Year/Sem:- III Yr/V Sem
Time: - 01
Date:- 12/09/2022

Subject:- Design Pattern
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. What is Design Pattern ?
2. What is Object Oriented Design Pattern ?
3. What is Gang Of Four(GOF)?
4. Explain in details the Catalog / Classifications or a categories of design pattern .
5. How to use of Design Pattern ?
6. What is a Creational Pattern ?
7. What is Singleton Pattern and their use ?
8. Write a program to demonstrate the use of Singleton pattern.



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Dahegaon, Kalmeshwar Road, Nagpur - 441501.

Department of Computer Science & Engineering

Sessional - I

You/sem: III V/VSSEM

Subject: Artificial Intelligence

Time: 01 Hours

Maximum Marks: - 20

Date:

INSTRUCTIONS TO CANDIDATE

- 1) All questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non-programmable calculator is permitted.

1. What is production system? Explain its characteristics. 4
2. You are given two jugs, a 4-gallon and a 3-gallon one. Neither have any measuring marks on it. There is a pump that can be used to fill the jugs with water. How can you get exactly 2-Gallons of water into a 4-gallon jug? Discuss the problem in view of A.I. 4
3. What is state space? Explain with example. 4
4. Discuss AI techniques in details. State and explain 4
5. Compare & contrast between BFS and DFS 4
6. What is Heuristic search? Explain in detail. 4
7. Explain Informed and un-informed search techniques in detail. 4
8. Differentiate between A* and AO* Algorithm. 4



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SESSION 2022-23

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SESSIONAL-I

Year/Sem: III Yr/V SEM

Subject: Software Engineering &
Product Management

Time: - 01 Hours

Maximum Marks: - 20

Date:-

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

- | | |
|--|---|
| 1 Explain the software engineering Myths | 4 |
| 2. Explain software engineering as layered technology? | 4 |
| 3. Explain Waterfall Model ? | 4 |
| 4. Explain Incremental Model? | 4 |
| 5. Explain evolutionary process model | 4 |
| 6. Explain communication practices in details. | 4 |
| 7. Explain system engineering hierarchy | 4 |
| 8. Write short note on product engineering? | 4 |



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur-441 501.
Department of Computer Science & Engineering
Session: 2022-23

Sessional – I

Year/Sem: IIIYr/V SEM
Time: - 01 Hours
Date: 15/09/2022

Subject: Design Analysis & Algorithm
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry equal marks(4 marks each)
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

Q1. Explain algorithm design strategy in detail

Q2. Solve by characteristic equation method
 $a_n = 5a_{n-1} - 6a_{n-2}$ (2) with initial conditions $a_0 = 1$ and $a_1 = 4$

Q3. Explain worst-case and average case analysis

Q4. Solve by characteristic equation method
 $a_n = 6a_{n-1} - 9a_{n-2}$ (3) with initial conditions $a_0 = 4$ and $a_1 = 6$.

Q5. Differentiate dynamic programming and greedy strategy

Q6. Solve by master method
 $T(n) = 3T(n/2) + n^2$

Q7. Differentiate dynamic programming and divide-and-conquer

Q8. Solve by master method
 $T(n) = 4T(n/2) + n^2$



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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Computer Science Engineering

Session 2022-2023 (ODD)

Sessional I

Sr.No.	Student Name	DP	AI	SEPM	DAA	ETC
1.	DATE	12/09/2022	13/09/2022	14/09/2022	15/09/2022	16/09/2022
2.	AACHAL D. MESHAM	Ameshram	Ameshram	Ameshram	Ameshram	Ameshram
3.	AMISHA ROSHAN RAMTEKE					
4.	ANAM M.AARIF SHEIKH	Anam	Anam	Anam	Anam	Anam
5.	ANJUM SHEIKH	Anjum	Anjum	Anjum	Anjum	Anjum
6.	ASHWINI VIJAY CHAUHAN	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
7.	DIVYANI P. PATURDE	Divyande	Divyande	Divyande	Divyande	Divyande
8.	DIVYANI SUJIT NITNAWARE	Divyane	Divyane	Divyane	Divyane	Divyane
9.	HRUTU SHISHSUPAL WALDE	hrutuwalde	hrutuwalde	hrutuwalde	hrutuwalde	hrutuwalde
10.	ISHA MURLIDHAR GOTMARE	Ishamare	Ishamare	Ishamare	Ishamare	Ishamare
11.	JAYASHRI KISHORE PAHADE	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri
12.	JYOTI YOGESH BAWANE	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
13.	KALIYANI ASHOK GEDEKAR	Kaliyani	Kaliyani	Kaliyani	Kaliyani	Kaliyani
14.	KETKI SANJAYRAO WASULE	K.S.Wasule	K.S.Wasule	K.S.Wasule	K.S.Wasule	K.S.Wasule
15.	MEGHANA DILIP BHUPAL	Meghana	Meghana	Meghana	Meghana	Meghana
16.	PAYAL PRABHU MANGATE	P. Mangate	P. Mangate	P. Mangate	P. Mangate	P. Mangate



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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



17.	PIYUSHA SANTOS KALE	Aradiya	Aradiya	Aradiya	Aradiya
18.	POOJA RAMESH ARODIYA	Aradiya	Aradiya	Aradiya	Aradiya
19.	PRANITA CHAKRADHAR PATIYE	Patiye	Patiye	Patiye	Patiye
20.	REKHA RAMESH RAHANGDALE	Rekha	Rekha	Rekha	Rekha
21.	ROJI TEJRAM WAGHMARE				
22.	RUCHIKA KESHAV KANGALE				
23.	RUTUJA R. YERANDE	Rutuja	Rutuja	Rutuja	Rutuja
24.	SANGHAPRIYA V. MOHOD	Banshod	Banshod	Banshod	Banshod
25.	SHIVANI UMESH SUKHADEVE	Shivani	Shivani	Shivani	Shivani
26.	SIMMI BHAGWAN SINGH GILL				
27.	VARSHA GRDIHAR SAHU	V. Sahu	V. Sahu	V. Sahu	V. Sahu
28.	ABHIJEET C. SUMAN	A. Suman	A. Suman	A. Suman	A. Suman
29.	ABHIJIT SATISHRAO PURI	Puri	Puri	Puri	Puri
30.	ADARSH BAPURAO SARDAR	A	A	A	A
31.	ADARSH AJAY SAWAIMUL	Sawaimul	Sawaimul	Sawaimul	Sawaimul
32.	ADITYA RAJESH NARKHEDE	Puri	Puri	Puri	Puri
33.	AMAN MANJUNATH SHINDE				
34.	AMANSHU DILIP TAKLIKAR				
35.	ANSHUL SURESH MANWATKAR	Anshul	Anshul	Anshul	Anshul
36.	ANURAG ANIL GANVEER	Anurag	Anurag	Anurag	Anurag
37.	ANURAG ASHOK SHUKLA	Anurag	Anurag	Anurag	Anurag
38.	ANURAG YOGENDRA SAWARKAR				



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62.	SHARDAPRASAD _KAWALE					
63.	SHOBIT BHIMRAO SOMKUWAR					
64.	SHUBHAM S. NASARE					
65.	SIDDHANT GAJANAN PATLE					
66.	SOURABH ASHOK WAHANE					
67.	TUSHAR PRAKASH MESHARAM					
68.	UMESHWAR S. DEWASE					
69.	VAIBHAV KUMAR POHANKAR					
70.	VEDANT PADMAKAR KADWE					
71.	VAIBHAV UGE					
72.	YASH LAXMAN GAHRULE					

Prof. Ayaz Khan

Head of Department

Prof. Shweta Ramteke

Sessional In-Charge




Guru Nanak Institute Of Engineering & Technology, Nagpur
Dahegaon, Kalmeshwar Road,
Nagpur-4415001
Department of Computer Science and Engineering
(NAAC Accredited)

Date :- 10/10/2022

Notice

All the students of 3rd sem cse are hereby Informed that the Sessional -I Exam will be starting from 17 Oct 22 and exam time table will be displayed on Notice Board as well as in students whatsapp group.


Prof Ayaz Khan
I/c HOD , CSE

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1. Principal , GNIET
2. Vice-Principal , GNIET



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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY,
NAGPUR
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Session 2022-23(ODD)

Sessional 1

Time Table

CLASS: IIIRD SEM

Date: 10/10/2022

Day	Date	Time	III SEM
Mon.	17/10/2022	10.00am-11.00am	OS
Tue.	18/10/2022	10.00am-11.00am	CAO
		01.30pm-02.30pm	OOPS
Wed.	19/10/2022	10.00am-11.00am	UHV
Thu.	20/10/2022	10.00am-11.00am	MATHS-3

Note :

1. It is compulsory for all the students to appear for the exam.
2. The question paper of each subject will be of descriptive pattern
3. Total number of questions:08(From 2units),Solve any 5, Maximum marks: 20,Time:1Hr.
4. Sessional exam will be conducted in first class, remaining classes will continue as per time table.

Prof. Shweta Ramteke
Exam Incharge, CSE

Prof. Ayaz Khan
HOD,CSE



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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
 Daldegan, Kalmeshwar Road, Nagpur-441 501.
Department of Computer Science and Engineering

Sessional - I

Year/Sem:- II Yr/III Sem
 Time:- 01 Hours
 Date:- 17/10/22
 Subject:- OPERATING SYSTEM
 Maximum Marks:- 20

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
 Daldegan, Kalmeshwar Road, Nagpur-441 501.
Department of Computer Science and Engineering

Sessional - II

Year/Sem:- II Yr/III Sem
 Time:- 01 Hours
 Date:- 17/10/22
 Subject:- OPERATING SYSTEM
 Maximum Marks:- 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

- | | |
|--|---|
| 1. Operating System & Explain different generations of Operating System. | 4 |
| 2. Explain System Software & Application Software. | 4 |
| 3. Write down different examples of Operating System & Explain them in detail. | 4 |
| 4. What are different functions of Operating System? | 4 |
| 5. Explain process in operating system. | 4 |
| 6. What are the different components of process ? | 4 |
| 7. Explain Process Life Cycle with diagram. OR Explain all states involved in process state diagram. | 4 |
| 8. What is process scheduling? | 4 |



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Department of Computer Science & Engineering
Sessional - I

Year/Sem: II Yr/III SEM
Time: - 01 Hours

Subject: Object Oriented Programming

Maximum Marks: - 20

Date:-18-10-22

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

- | | | |
|-----|---|---|
| Q.1 | What are the features of Java | 4 |
| Q.2 | a. How to declare Class and object in Java? What is the use of new keyword in Java
b. what are jump statement in Java | 4 |
| Q.3 | Differentiate between Object Oriented Programming and Procedure Oriented Programming | 4 |
| Q.4 | Write a program to declare a class box and define two constructor . One will initiate the object with default value and other with arguments | 4 |
| Q.5 | a. What is array? How to declare one and two dimensional array in Java.
b. Why java is platform independent ?explain | 4 |
| Q.6 | Define class student with data member rollno, name and percentage. Using this class create 5 student and display information of student who scored highest percentage | 4 |
| Q.7 | Write a program to declare a class Box and define data member length , breadth and height. Write a method to calculate the area of the box. Write suitable code to invoke method. | 4 |
| Q.8 | a. What is ternary operator explain with example
b. Explain for each loop in Java with example | 4 |
| | a. What is JVM in Java programming
b. What is scope and lifetime of variables | 4 |



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Department of Computer science
Sessional - I

Year/Sem: II Yr/ III Sem
Time: - 01 Hours
Date:- / /022

Subject: - Ethics in it.
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Explain privacy in it. 4
2. How to control access to information on the internet. 4
3. Explain education employees. 4
4. Explain ethics in it. 4
5. What are common types of security attacks. 4
6. What is IT professionals malpractice. 4
7. Write short notes on software privacy. 4
8. Explain prevention in computer and internet crime. 4



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Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Computer Science Engineering

Session 2022-2023 (ODD)

Sessional I

CLASS: IIIRD SEM

Roll No	Student Name	OS 17/10/22	CADS 18/10/22	OOPS 19/10/22	UIV 19/10/22	M-III 20/10/22	ETT 20/10/22
1	BIPASHA NILAMKUMAR RANGARI	Bhangar	Bhangar	Bhangar	Bhangar	Bhangar	Bhangar
2	BIPASHA SHAILESH YADAV	Bit	Bit	Bit	Bit	Bit	Bit
3	DIVYA ANIL BHAGAT						
4	DIXIKA GAUTAM KOTHARE	Dikhar	Dikhar	Dikhar	Dikhar	Dikhar	Dikhar
5	FEEZA AKI SHEIKH						
6	HARSHA JITENDRA SHARMA Bhimte	Harsha	Harsha	Harsha	Harsha	Harsha	Harsha
7	HITESH BHAURAO HARODE	Hitarode	Hitarode	Hitarode	Hitarode	Hitarode	Hitarode
8	JASLEEN KAUR RAKHBIR SINGH DHI LON	Jasleen	Jasleen	Jasleen	Jasleen	Jasleen	Jasleen
9	KHUSHI ARVIND DAMAHE	Khushi	Khushi	Khushi	Khushi	Khushi	Khushi
10	KHUSHI SAMEER MUKHARE	Ksmukhar	Ksmukhar	Ksmukhar	Ksmukhar	Ksmukhar	Ksmukhar
11	LEENA PRAMOD BOBADE	Leena	Leena	Leena	Leena	Leena	Leena
12	MADHURI BANDHU KAMBLE						
13	MOHINI PANJAB RAJGURU	Mohini	Mohini	Mohini	Mohini	Mohini	Mohini
14	NAHIYA ABDUL KALAM SHEIKH	N-shikh	N-shikh	N-shikh	N-shikh	N-shikh	N-shikh
15	POOJA NAGESH SAKHARE	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
16	PRAJAKTA NAMDEVRAO DEOSARKAR	Peosarkar	Peosarkar	Peosarkar	Peosarkar	Peosarkar	Peosarkar
17	PRERNA RAJESH USARE						
18	PRIYANKA SURESH CHAYHAN	Phayhan	Phayhan	Phayhan	Phayhan	Phayhan	Phayhan
19	QURESHI SAIFUDDIN ABID	Qureshi	Qureshi	Qureshi	Qureshi	Qureshi	Qureshi
20	RAVISHI RAJENDRA TEMBHARE	Rtembhar	Rtembhar	Rtembhar	Rtembhar	Rtembhar	Rtembhar
21	RIYASHI SHIKANT BANG	Riya	Riya	Riya	Riya	Riya	Riya



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22	SAMIKSHA VIJAY PURAMSHI TI	Samiksha	Samiksha	Samiksha	Samiksha	Samiksha	Samiksha
23	SNEHYA ACHARYA JAGTAP	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
24	TRUSINI RAMDAS KAWARI	Trusini	Trusini	Trusini	Trusini	Trusini	Trusini
25	VAISHNAVI RAJESH CHUTL	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
26	ABHISHEK ANIL RANGARI	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
27	ABHISHEK SUNIL WASHIMKAR	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
28	AMAN P. AKASH BORKAR	Aman	Aman	Aman	Aman	Aman	Aman
29	AMEE ABHAY WALKAR	Ame	Ame	Ame	Ame	Ame	Ame
30	ARYAN ARVIND SAMBHE	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan
31	ASHISH HARICHAND RATHOD	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish
32	AYUSH SANJAY PHAISARE	Ayush	Ayush	Ayush	Ayush	Ayush	Ayush
33	AYUSH KHEMRAJ RAMTEKE	Ayush	Ayush	Ayush	Ayush	Ayush	Ayush
34	BIHARISH SAMPAT SAHU	Biha	Biha	Biha	Biha	Biha	Biha
35	DILIP G. ANAN WAGH	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip
36	DANISH AHAMDULLAH KHAN	Danish	Danish	Danish	Danish	Danish	Danish
37	HARSH SANJEEV SHARMA	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh
38	KRUSH VIJAY SHAHU	Krush	Krush	Krush	Krush	Krush	Krush
39	LOVE VIJAY SAHU	Love	Love	Love	Love	Love	Love
40	MAYUR VIJAY CHOPADE	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
41	OM VIJAY UTTARWAR	Om	Om	Om	Om	Om	Om
42	PRAJWAL ARVIND BAWANKAR	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal
43	RAVASHNIKAWANKAR	Ravashnik	Ravashnik	Ravashnik	Ravashnik	Ravashnik	Ravashnik
44	PRATHAM SUDAM WASNIK	Pratham	Pratham	Pratham	Pratham	Pratham	Pratham
45	PRATHAM CHATTRAM FULZELE	Pratham	Pratham	Pratham	Pratham	Pratham	Pratham
46	PRATHAMESH SHYAM BHINARE	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
47	RAMU RAMRAJAN WANVE	Ramu	Ramu	Ramu	Ramu	Ramu	Ramu
48	RITESH SUNIL WANKHEDE	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
49	ROHIT NATHUJI KHARPURIYA	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
50	SHRIKANT JUGALHISHOR DAD	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant
51	SHIREYASH YASHWANT KAMBLAD	Shireyash	Shireyash	Shireyash	Shireyash	Shireyash	Shireyash
52	SUCHIT SHANKARRAO SHENDRE	Suchit	Suchit	Suchit	Suchit	Suchit	Suchit
53	SURAJ DILIP DHOTE	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
54	SURAJ VINOD MATE	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
55	SHREERAM GAJANAN DAD	Shreeram	Shreeram	Shreeram	Shreeram	Shreeram	Shreeram
56	SATISH PANCHAM	Satish	Satish	Satish	Satish	Satish	Satish




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56	GHARDE TEJASKUMAR NITIN POHARE	Gharde	Chavle					
57	TANAY RAVINDRA KSHIRSAGAR	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	
58	VIVEK BHAI RAJ GAUTAM							
59	VRUSHABH VISHWAS VIRKAR	Achhabh	Achhabh	Achhabh	Achhabh	Achhabh	Achhabh	
60	YASHIWANT ANKUSH LOHANDE	Lohande	Lohande	Lohande	Lohande	Lohande	Lohande	
61	Dipali wagh	Duwagh	Duwagh	Duwagh	Duwagh	Duwagh	Duwagh	


Prof. Shweta Ramteke
Sessional In charge, CSE

Prof. Ayaz Khan
HOD, CSE



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c




GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY,
NAGPUR
DEPARTMENT OF COMPUTER SCIENE ENGINEERING
Session 2022-23(ODD)
Sessional II
Time Table

Date: 22/09/2022

Day	Date	Time	VII SEM
Mon	26/09/2022	10.00am-11.00am	TCP / IP
Tue.	27/09/2022	10.00am-11.00am	MOBILE COMPUTING
Wed.	28/09/2022	10.00am-11.00am	DATA WAREHOUGING AND MINING
Thu.	29/09/2022	10.00am-11.00am	LANGUAGE PROEOSSOR

Note :

- 1) It is compulsory for all the students to appear for the exam.
- 2) The question paper of each subject will be of descriptive pattern
- 3) Total number of questions:08(From 2units),Solve any 5, Maximum marks: 20,Time:1Hr.
- 4)Sessional exam will be conducted in first class, remaining classes will continue as per time table.


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Exam Incharge, CSE


Prof. Ayaz Khan
HOD,CSE



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Dahegaon, Kalmeshwar Road, Nagpur-441 501.
Department of Computer Science and Engineering
Sessional - II

Year/Sem: IV Yr/VII SEM
Time: - 01 Hours
20 Date:-
Subject: TCP/IP
Maximum Marks: -

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

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Department of Computer Science and Engineering.
Sessional - II

Year/Sem: IV Yr/VII SEM
Time: - 01 Hours
Date:-
Subject: TCP/IP
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Explain IP Datagram in Detail?
 2. List and explain various packet forwarding techniques used by IP.
 3. Explain how to calculate the optimal path for routing the Packet.
 4. Write short note on IGMP.
 5. Explain TCP header format.
 6. Explain TCP connection Establishment and Termination.
 7. State different Timers used in TCP
 8. Write short note on Extension Header.
1. Explain IP Datagram in Detail?
 2. List and explain various packet forwarding techniques used by IP.
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SESSION 2022-23
DEPARTMENT OF COMPUTER SCIENCE&ENGINEERING
SESSIONAL-II

Year/Sem 4 : /VII SEM

Subject: Mobile Computing

Time: - 01 Hours
Date:- 27/09/2022

Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Describe snooping TCP. 4
2. Explain home location register. 4
3. What is cell layout and frequency planning.
4. Explain fast retransmit. 4
5. Explain TCP over wireless networks . 4
6. What is mobile ip. 4
7. Write short note on Echo canceller. 4
8. Explain Traditional TCP and Intraditional TCP.



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 Department of Computer Science Engineering
 Sessional - II

Year/Sem: IV Yr/VII SEM
 Time: - 01 Hours
 Date:- 29/9/2022

Subject: Language Processor
 Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Construct LL (1) parsing table for the following grammar 4
 $S \rightarrow AaAb/BaBb, A \rightarrow \epsilon, B \rightarrow \epsilon$
2. Explain use of following function in TAC using SDTS. 4
 (i) MakeList (l) (ii) Merg (P1, P2)
 (iii) Backpatch (P, i) (iv) Gen ()
3. Define (i) Inherited attribute (ii) Synthesized attribute (iii) Semantic action 4
4. Generate three address code for the following statements using SDTS 4
 $A := -B * (C + D)$
5. Explain 4
 (i) Error recovery in LR parsing
 (ii) Error recovery in lexical phase
6. Explain error recovery in LL parsing using suitable example. 4
7. What are syntactic and semantic errors suggest methods to recover from these errors 4
8. Explain why we remove left recursion and perform left factorization for the given CFG while constructing LL(1) parser. 4

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 Dahegaon, Kalmeshwar Road, Nagpur-441 501,
 Department of Computer Science Engineering
 Sessional - II

Year/Sem: IV Yr/VII SEM
 Time: - 01 Hours
 Date:- 29/09/2022

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
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Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Computer Science Engineering

Session 2022-2023 (ODD)

Sessional II Attendance

Class: VIITH SEMESTER

Roll No.	Student Name	TCP/IP	MC	DWM	LP
	DATE	26/09/2022	27/09/2022	28/09/2022	29/09/2022
1.	ACHAL ANANDRAO VIGHNE				
2.	ADITI SANTOSH SONULE	ABSENT	ABSENT	ABSENT	ABSENT
3.	ASHWINI HARIDAS TARWARE				ABSENT
4.	AYUSHI VINOD MESHARAM				
5.	BHAWANA VINOD IKHAR	ABSENT	ABSENT	ABSENT	ABSENT
6.	DARSHANA SUBHASHRAO NASARE				
7.	DEEPALI TEJLAL MANE	ABSENT	ABSENT	ABSENT	ABSENT
8.	DEVYANI CHNDRASHKAR DHOLE	ABSENT	ABSENT	ABSENT	ABSENT
9.	GAYATRI GAJANAN GAWANDE				
10.	JAYASHRI HARICHANDRA KHOPE	ABSENT	ABSENT	ABSENT	ABSENT
11.	JAYASHRI CHINDHUJI CHIKHALE				
12.	KARISHMA NIRMAL MANEKAR				



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		K.w.g.horge	K.w.g.horge	K.w.g.horge	K.w.g.horge
13	AARSHITA WASUDEO CHONLE				
14	OMAI CHANDRASHEKAR HERODE	ABSENT	AB	AB	AB
15	MAYURI TIKARAM SONKUSARE	ABSENT	AB	AB	AB
16	MEHINI DHANRAJ PATIL	Patil	Patil	AB	Patil
17	NISHA WASUDEO KARNAKE	Karnaik	Karnaik	Karnaik	Karnaik
18	NIVRUTTI DINESH PATLE	Patle	Patle	Patle	Patle
19	PALLAVI MANOHAR SATAD	Patil	Patil	Patil	Patil
20	PALLAVI SILON MESHRAM	P.s.meshram	P.s.meshram	AB	AB
21	POURNIMA MORESHWAR KATWE	PMK	PMK	PMK	PMK
22	PRANALI VINAYAKRAO SAWWALAKHE	ABSENT	AB	AB	AB
23	PRIYANKA DILIP MANMODE	P.D.manmode	P.D.manmode	P.D.manmode	P.D.manmode
24	PUNAMI NANDO BUDHE	ABSENT	AB	AB	AB
25	RESHMA SURESHRAO LAMSE	ABSENT	AB	AB	AB
26	RUPALI RAMU HEDAU	ABSENT	AB	AB	AB
27	SAKSHI SHALIKRAM SAWARKAR	ABSENT	AB	AB	AB
28	SAMPADA RAJINDRA BHOSALE	ABSENT	AB	AB	AB
29	SEJAL GAUTAMRAO BHAGAT	AB	AB	AB	AB
30	SILKY SANTOSH PANDEY	ABSENT	AB	AB	AB
31	TRUPTI DILIRAM CHOURAGADE	Ameyti	Ameyti	Ameyti	Ameyti



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SR	NAME	1	2	3	4
33	VAISHNAVI GAJANAN BHALERAO	V Bhale	V Bhale	V Bhale	V Bhale
34	VAISHNAVI RAMESH HIWASE	V Hiwase	V Hiwase	V Hiwase	V Hiwase
35	ABHISHEK PADMAKAR KSHIRSAGAR	A Kshirsagar	A Kshirsagar	A Kshirsagar	A Kshirsagar
36	ABHISHEK PRKASH NIKAM	ABSENT	AB	AB	AB
37	ABHISHEK SUDAM SOLANKE	ABSENT	AB	AB	AB
38	ADITYA DAYARAM WAGHMARE	ABSENT	AB	AB	AD
39	ANIKET MA DHUKAR THOTE	A Thote	A Thote	A Thote	A Thote
40	ANUJ BHOJLAL THAKUR	ABSENT	AB	AB	AB
41	ASHISHKUMAR WAMANRAO WAHANE	ABSENT	AB	AB	AB
42	ASHWAJIT ARJUN CHAHANDE	A Chahande	A Chahande	AB	A Chahande
43	ATHARVA PRAKASH WANKAR	A Wankar	A Wankar	A Wankar	A Wankar
44	ATHARVA SANJAYRAO DONDAL	ABSENT	AB	AB	AB
45	DURGESH AKNATH BHAGWAT	ABSENT	AB	AB	AB
46	MARSHAL RAJU PAUL	M Paul	M Paul	M Paul	M Paul
47	KARTIKEYA SINGH THAKUR	K Thakur	K Thakur	K Thakur	K Thakur
48	KRUNAL VINAYAK DEVTALE	ABSENT	AB	AB	AB
49	KRUSHNA ARUNRAO GANJARE	K Ganjare	K Ganjare	K Ganjare	K Ganjare
50	LILADHAR TULARAM TOLE	L Tole	AB	AB	AB



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51	NIRBHAY DINDA RAM 210118	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
52	PRATEEK NADANAND BHELAVE	ABSENT	AB	AB	AB
53	PRAVIN JUNGHAL LIKE	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
54	RAVINDRA RAMESH JAWARKAR	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
55	ROHIT RAMSING THAKRE	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
56	SAGAR PRABHAKAR NIMKAR	ABSENT	<i>Prof. Ayaz</i>	AB	AB
57	SAURABH ARUN RAMTEKE	ABSENT	AB	AB	AB
58	SUVENDU DIPENDU SAHA	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
59	SWAPNIL PADMAKAR KANIRE	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
60	TARUN DALLURAM HINGWE	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>	<i>Prof. Ayaz</i>
61	VANSHAV DILIP THAKRE	ABSENT	AB	AB	AB
62	YOGAL NARAYAN SALU	ABSENT	AB	AB	AB

Prof. Sweta Kamteke
 Prof. Sweta Kamteke
 Exam In-Charge

Prof. Ayaz Khan
 Head of Department



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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY,
NAGPUR
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Session 2022-23(ODD)

Sessional II

Time Table


CLASS: VTH SEM


Date: 10/10/2022

Day	Date	Time	V SEM
Mon.	17/10/2022	10.00am-11.00am	DP
Tue.	18/10/2022	10.00am-11.00am	AI
		01.30pm-02.30pm	SEPM
Wed.	19/10/2022	10.00am-11.00am	DAA
Thu.	20/10/2022	10.00am-11.00am	ETC

Note :

1. It is compulsory for all the students to appear for the exam.
2. The question paper of each subject will be of descriptive pattern
3. Total number of questions:08(From 2units),Solve any 5, Maximum marks: 20,Time:1Hr.
4. Sessional exam will be conducted in first class, remaining classes will continue as per time table.


Prof. Shweta Ramteke
Exam Incharge, CSE


Prof. Ayaz Khan
HOD,CSE



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Computer Science and Engineering
Sessional - II

Year/Sem: III Yr/V Sem

Time: - 01 Hours

Date:- 17/10/022

Subject: - Design Pattern
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry marks as indicated.
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. What is Structural Design Pattern ? Explain and the type of Structural patterns . 4
2. Draw the UML diagram of Adaptor patterns. 4
3. Define and Explain Bridge patterns. 4
4. Explain the properties of composite patterns. 4
5. Define Behavioural patterns. 4
6. Define and Explain Chain Responsibility. 4
7. Define Interpreter patterns using UML diagram. 4
8. Explain the Template method patterns with the help of examples. 4



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur-441 501.
Department of Computer Science & Engineering
Session: 2022-23

Sessional – II

Year/Sem: IIIYr/V SEM
Time: - 01 Hours
Date: 19/10/2022

Subject: Design Analysis & Algorithm
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

- 1) All Questions carry equal marks(4 marks each)
- 2) Solve FIVE questions.
- 3) Illustrate your answer wherever necessary with the help of neat sketches.
- 4) Assume suitable data whenever necessary.
- 5) Use of non programmable calculator is permitted.

1. Find the optimal binary merge pattern for ten files whose length are 38 , 42 , 22, 15 , 94 , 63, 101, 43, 13, 21.

2. Explain Job Sequencing approaches. Find the best possible sequence for the following deadlines.

Job	1	2	3	4	5	6	7
Gain	35	20	18	16	12	10	8
Deadline	3	1	3	4	2	2	1

3. What is Dynamic Programming? Explain the difference between Dynamic Programming and Greedy method.

4. Prove that $P \subseteq NP$ (P is subset of NP)

5. Explain Deterministic Algorithms

6. What is P class problems

7. Explain NP-hard problems

8. Explain NP-complete problems



Guru Nanak Institute of Engineering & Technology Nagpur
Dahegaon, Kalmeshwar Road Nagpur

Department of computer science and engineering
Sessional - II

Year /Sem-5th sem
Time- 1 Hr

Subject- Effective Technical communication
Max Marks- 20

Q.1.A) find the most suitable word which is farthest in meaning to the word given **(Any two) [2Marks]**

1) Alleviation

A) Lessening B) Magnification C) intensity D) aggravation E) Exaggeration

2) virtuous

A) vicious B) vulgar C) miserly D) insincere E) none

3) Obey

A) attract B) disobey C) repel D) diffuse E) none

Q.1.B) Pick out the word that has most nearly the same in meaning as the words in capitals. **[2Marks]**

1) repeal

A) Pay B) Undress C) iterate D) withdraw

2) Grasp

A) sorrow B) Release C) hinder D) enlarge

Q.2.A) write a one word for group of words to replace them **(any two) [2 M]**

1) One who specializes in hand writing

2) One who works for free

3) That through which light can pass

Q.2.B) Write a various Types and stages in interviews and Explain it. **[4 M]**
OR

What you prepare for interview And write the questions can ask in interview

Q.3.A) Bobby Lawrence orderd 100 sets of shirtys cordinates from caspani of Milan for testing the market . Buut the shipment arrives in poor condition. Bobby wants to write a complaint letter. **[5M]**

Q.3.B) Place an order of 600 drafters and 400 engineering calculators to be delevered within 15 days from the date of order, reseving rights to reserves the goods if delivered late. **[5M]**

Q.4.A) draft the letter of enquiry to brite wattach company , pune asking for a copy of thier latest catalogue . Ask for their best trade term. **[5M]**

Q.4. B) write a notice informing all the employees of fahell company that new Community hall is going to be innaugrated on 1st December, 2022. **[5M]**



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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Computer Science Engineering

Session 2022-2023 (ODD)

Sessional II Marks

CLASS: VTH SEMESTER

Ro II	Student Name	DP	AI	SEPM	DAA	ETC
	DATE	17/10/22	18/10/22	19/10/22	20/10/22	
1.	AACHAL D. MESHARAM	Aachal Absent	Aachal Absent	Aachal Absent	Aachal Absent	Aachal Absent
2.	AMISHA ROSHAN RAMTEKE	Absent	Absent	Absent	Absent	Absent
3.	ANAM M.AARIF SHEIKH	Anam Absent	Anam Absent	Anam Absent	Anam Absent	Anam Absent
4.	ANJUM SHEIKH	Anjum Absent	Anjum Absent	Anjum Absent	Anjum Absent	Anjum Absent
5.	ASHWINI VIJAY CHAUHAN	Ashwini Absent	Ashwini Absent	Ashwini Absent	Ashwini Absent	Ashwini Absent
6.	DIVYANI P. PATURDE	Absent	Absent	Absent	Absent	Absent
7.	DIVYANI SUJIT NITNAWARE	Divyani Absent	Absent	Absent	Absent	Absent
8.	HRUTU SHISHUPAL WALDE	Hrutu Absent	Hrutu Absent	Hrutu Absent	Absent	Hrutu Absent
9.	ISHA MURLIDHAR GOTMARE	Isha Absent	Isha Absent	Isha Absent	Isha Absent	Isha Absent
10.	JAYASHRI KISHORE PAHADE	Jayashri Absent	Jayashri Absent	Jayashri Absent	Jayashri Absent	Jayashri Absent
11.	JYOTI YOGESH BAWANE	Jyoti Absent	Jyoti Absent	Jyoti Absent	Jyoti Absent	Jyoti Absent
12.	KALLYANI ASHOK GEDEKAR	Kalyani Absent	Absent	Absent	Absent	Absent



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13.	KETKI SANJAY RAO WASULE	<u>KS Wasule</u>	<u>KS Wasule</u>	<u>KS Wasule</u>	<u>KS Wasule</u>	<u>KS Wasule</u>
14.	MEGHANA DR IP BHUPAL	<u>Meghana</u>	<u>Meghana</u>	<u>Meghana</u>	<u>Meghana</u>	<u>Meghana</u>
15.	PAYAL PRAHBU MANGATE	<u>P. Mangate</u>	<u>P. Mangate</u>	<u>P. Mangate</u>	<u>P. Mangate</u>	<u>P. Mangate</u>
16.	PIYUSHA SANTOSH KALE	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
17.	POOJA RAMESH ARODIYA	<u>P. Arodiya</u>	<u>P. Arodiya</u>	<u>P. Arodiya</u>	<u>P. Arodiya</u>	<u>P. Arodiya</u>
18.	PRANITA CHAKRADHAR PATIYE	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
19.	REKHA RAMESH RAHANGDALE	<u>Rekha</u>	<u>Rekha</u>	<u>Rekha</u>	<u>Rekha</u>	<u>Rekha</u>
20.	ROJI TEJRAM WAGHMARE	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
21.	RUCHIKA KESHAV KANGALE	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
22.	RUTUJA R. YERANDE	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>
23.	SANGHAPRIYA V. MOHOD	<u>Omehod</u>	<u>Omehod</u>	<u>Omehod</u>	<u>Omehod</u>	<u>Omehod</u>
24.	SHIVANI UMESH SUKHADEVE	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>
25.	SIMMI BHAGWAN SINGH GILL	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
26.	VARSHA GRDIHAR SAHU	<u>Sahu</u>	<u>Sahu</u>	<u>Sahu</u>	<u>Sahu</u>	<u>Sahu</u>
27.	ABHIJEET C. SUMAN	<u>A. Suman</u>	<u>A. Suman</u>	<u>A. Suman</u>	<u>A. Suman</u>	<u>A. Suman</u>
28.	ABHIJIT SATISHRAO PURI	<u>Puri</u>	<u>Puri</u>	<u>Puri</u>	<u>Puri</u>	<u>Puri</u>
29.	ADARSH BAPURAO SARDAR	<u>AS</u>	<u>AS</u>	<u>AS</u>	<u>AS</u>	<u>AS</u>
30.	ADARSH AJAY SAWAIMUL	<u>Aswaimul</u>	<u>Aswaimul</u>	<u>Aswaimul</u>	<u>Aswaimul</u>	<u>Aswaimul</u>



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11.	ADITYA RAJESH NAIKHEDE	Ab	Ab	Ab	Ab	Ab
12.	AMRAN MANOJ NATH SHINDE	Ab	Ab	Ab	Ab	Ab
13.	AMANSHU DILIP TAKHAR	Ab	Ab	Ab	Ab	Ab
14.	ANSHUL SURESH MANWATKAR	Ab	Ab	Ab	Ab	Ab
15.	ANURAG ANIL GANVEER	Ab	Ab	Ab	Ab	Ab
16.	ANURAG ASHOK SHUKLA	Ab	Ab	Ab	Ab	Ab
17.	ANURAG YOGENDRA SAWARKAR	Ab	Ab	Ab	Ab	Ab
18.	ARYASH DILIP BHALERAO	Ab	Ab	Ab	Ab	Ab
19.	DINESH PRAKASH JIBHKATE	Ab	Ab	Ab	Ab	Ab
20.	DIPAK PANJAB POLE	Ab	Ab	Ab	Ab	Ab
21.	HARSH RAJENDRA TAKIT	Ab	Ab	Ab	Ab	Ab
22.	HARSHAL BHASKARAO GANVIR	Hare	Hare	Hare	Hare	Hare
23.	HEMANT RAJENDRA SHIRBHATE	Ab	Ab	Ab	Ab	Ab
24.	MANTHAN SHRIKANT SAKHARE	Ab	Ab	Ab	Ab	Ab
25.	MANISH MOHANLAL UKEY	Ab	Ab	Ab	Ab	Ab
26.	NEERAJ AJAY SHRIVASTAVA	Ab	Ab	Ab	Ab	Ab
27.	NITESH B. KHOBRAGADE	Ab	Ab	Ab	Ab	Ab
28.	OM SHRIKANT SHINAKOLHE	Ab	Ab	Ab	Ab	Ab



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49.	OMKESH S. MOWADE	<u>Mowade</u>	<u>Mowade</u>	<u>Mowade</u>	<u>Mowade</u>	
50.	PAWAN KAILASH MATLANE	<u>Matlane</u>	<u>Matlane</u>	<u>Matlane</u>	<u>Matlane</u>	
51.	PIYUSH YOGESH SAMUNDRE	<u>Samundre</u>	<u>Samundre</u>	<u>Samundre</u>	<u>Samundre</u>	
52.	PRAJWAL B. BALPANDE	<u>Balpande</u>	<u>Balpande</u>	<u>Balpande</u>	<u>Balpande</u>	
53.	PRASHANT A. MISHRA	AB	AB	AB	AB	AB
54.	PRATHMESH P. JOSHI	AB	AB	AB	AB	AB
55.	RAHUL P. SHAMBHARKAR	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>
56.	RAHUL RAMESH TAYADE	AB	AB	AB	AB	AB
57.	RAMESHWAR P. CHAVHAN	AB	AB	AB	AB	AB
58.	RITIK SHAMRAO DHARANE	AB	AB	AB	AB	AB
59.	ROHIT S ANTOSH SHARMA	AB	AB	AB	AB	AB
60.	SAURABH SUDHAKAR PRANJALE	AB	AB	AB	AB	AB
61.	SHARDAPRASAD S. KAWALE	AB	AB	AB	AB	AB
62.	SHOBIT BHIMRAO SOMIKUWAR	<u>Somikuwar</u>	<u>Somikuwar</u>	<u>Somikuwar</u>	<u>Somikuwar</u>	<u>Somikuwar</u>
63.	SHUBHAM S. NASARE	<u>Nasare</u>	<u>Nasare</u>	<u>Nasare</u>	<u>Nasare</u>	<u>Nasare</u>
64.	SIDDHANT GAJANAN PATLE	AB	AB	AB	AB	A
65.	SOURABH ASHOK WAHANE	AB	AB	AB	AB	AB



66.	TUSHAR PRAKASH MESHARAM	Ab	Ab	Ab	Ab	Ab
67.	UMESHWAR S. DEWASE	<u>U.S. Dewase</u>	<u>U.S. Dewase</u>	<u>U.S. Dewase</u>	<u>U.S. Dewase</u>	<u>U.S. Dewase</u>
68.	VAIBHAV KUMAR POHANKAR	<u>V. Pohankar</u>	<u>V. Pohankar</u>	<u>V. Pohankar</u>	<u>V. Pohankar</u>	<u>V. Pohankar</u>
69.	VEDANT PADMAKAR KADWE	<u>V. Kadwe</u>	<u>V. Kadwe</u>	<u>V. Kadwe</u>	Ab	Ab
70.	VAIBHAV UGE	<u>V. Uge</u>	<u>V. Uge</u>	<u>V. Uge</u>	Ab	Ab
71.	YASH LAXMAN GAHRULE	<u>Y. Gahrule</u>	<u>Y. Gahrule</u>	<u>Y. Gahrule</u>	<u>Y. Gahrule</u>	<u>Y. Gahrule</u>

Prof. Shweta Ramteke
Sessional In charge, CSE

Prof. Ayaz Khan
HOD, CSE



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**GURU NANAK INSTITUTE OF ENGINEERING &
TECHNOLOGY NAGPUR**
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(Odd)

Pre-University Test (PUT) EXAM
Time Table


OFFLINE EXAM III SEM


Date: 20/01/2023

Day	Date	Time	Subject	T/P
Mon	23/01/2023	10.00am-1.00pm	CADS	T
		2.00 pm – 4.00 pm	Computer Workshop 1	P
Wed	25/01/2023	10.00am-1.00pm	OS	T
		2.00 pm – 4.00 pm	OS	P
Fri.	27/01/2023	10.00am-1.00pm	OOPS	T
		2.00 pm – 4.00 pm	OOPS	P
Mon.	30/01/2023	10.00am-1.00pm	MIII	T
		2.00 pm – 3.00 pm	UHV	T
Tue.	31/01/2023	10.00am-1.00pm	EIT	T
		2.00 pm – 3.00 pm	EVS	T

Note

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 80, Time: 3Hr.
- 4) Clear balance fees .dues if any


Prof. Nayan Shambharkar
Exam In-charge


Prof. Ayaz Khan
Head of Department

Copy to

- 1) Principal, GNIET
- 2) Vice Principal, GNIET
- 3) Associate Dean



GNIET/2022-2023/ODD/BECSE62T/M.S

Pre University Examination 2022-23
V-B. E. (Computer Science & Engg.)
(C.B.C.S.) Examination

SUBJECT: UNIVERSAL HUMAN VALUES

Time: - Three Hours

Maximum Marks: - 35

INSTRUCTIONS TO CANDIDATE.

- 1) All questions carry marks as indicated.
- 2) Answer any Six questions
- 3) Assume suitable data wherever necessary.
- 4) Illustrate your answer wherever necessary with the help of neat sketches.

Q1. (A) Define Value Education in detail. (07)

OR

(B) Explain the importance of Self Exploration in Value Education (07)

Q2. (A) What do you mean by Harmony of Self with Body? (07)

OR

(B) Differentiate between Need of Self and Need of Body. (07)

Q3. (A) Highlight the importance of values in relationship. (07)

OR

(B) State five dimensions of Human Endeavour. (07)

Q4. (A) Explain the basics of Ethical Human Conduct. (07)

OR

(B) Define the Human Rights Violation in detail. (07)

Q5. Attempt (Any Two)

(A) Explain Happiness as part of Value Education. (3^{1/2})

(B) What do you mean by Activities of Body? (3^{1/2})

(C) Define Harmony. (3^{1/2})

(D) What is Value Based Life? (3^{1/2})

Subject In-charge

HOD [CSE]



GNIET/2022-2023/EVEN/BECSE62T/M.S

Pre University Examination 2022-23

V-B. E. (Computer Science Engg.)

(C.B.S.) Examination

SUBJECT :Ethics In IT

Time: - Three Hours

Maximum Marks: - 70

INSTRUCTIONS TO CANDIDATE.

- 5) All questions carry marks as indicated.
- 6) Answer any Six questions
- 7) Assume suitable data wherever necessary.
- 8) Illustrate your answer wherever necessary with the help of sketches.

- Q1. (a)What is Ethics? Explain with examples. (5)
(b) What are Ethics in business world? Why ethics are important in business world ? (6)

OR

- Q2. (a) What is the relation between IT professional and IT users? What are the common ethical issue for IT users? (6)
(b) What are Exploits? And their types? (5)

- Q3. (a)Explain government electronic surveillance. (6)
2. (b) Explain workplace monitoring. (6)

OR

- Q4. (a) What are the Perpetrators? And their types? (6)
(b) Explain Rootkits. And what are its Symptoms? (6)

- Q5. (a)Explain Risk Assessment in details. (6)
(b) Describe in brief Intellectual property rights(IPR's)? (6)

OR

- Q6. (a) What is Copyright?Explain in details. (6)
(b) Explain: 1)Patent 2)Trademark 3)Hallmark 4) Plagiarism (6)
5)Reverse Engineering 6)Open source code



- Q7. (a) What are Key Privacy and Anonymity issue? (6)
(b) Explain data Encryption? Write the advantages and disadvantages of data encryption? (6)

OR

- Q8.(a) What is Software Development Process? Explain. (6)
(b) Explain the key issue in software development? (6)

- Q9.(a) Explain the stage of Software Development Life Cycle. (6)
(b) What is the impact of IT in the standard of living and Workers Productivity? (6)

OR

- Q10.(a) Who are H-1B workers? Explain H-1B application process? (6)
(b) What is Whistle-Blowing? (6)

- Q11.(a) Write in details about contingent workers. (6)
(b) Explain : 1) Worms 2) Trojan Horse 3) Spam 4) DDoS
5) Phishing 6) Smishing & Vishing 7) Viruses (6)

OR

- Q12.(a) What is the concept of low cost computers, OLPC, classmate, Eee, Laptop? (6)
(b) What is Telemedicine? Explain its types? (6)

Subject In-charge

HOD [CSE]



GNIET/2022-2023/ODD/BECSE62T/M.S

Pre University Examination 2022-23

V-B. E. (Computer Science Engg.)

(C.B.S.) Examination

SUBJECT : OOPs in Java

Time: - Three Hours

Maximum Marks: - 70

INSTRUCTIONS TO CANDIDATE.

- 1) All questions carry marks as indicated.
- 2) Answer any Six questions
- 3) Assume suitable data wherever necessary.
- 4) Illustrate your answer wherever necessary with the help of neat sketches.

Q1. (a) What are the features of Object Oriented Programming ?
(06)

(b) Write a short notes : 1) Class 2) Object 3) Abstraction 4) Encapsulation 5) Polymorphism (06)

OR

Q2. (a) Explain concept of JVM with respect to portability features of Java
(06)

(b) Explain any four components of JDK . (06)

Q3. (a) What is Constructor ? Explain constructor overloading with examples . (06)

(b) Describe static member & state the characteristics of static members . (06)

OR

Q4. (a) Write the effect of access specifier public, private and protected in package. (06)

(b) Describe String class method with their examples . (06)

Q5. (a) Explain method of wrapper class . List various wrapper class and its features . (05)

(b) Describe Super Keyword & final modifier . (06)

OR

Q6. (a) What is difference between Array & Vectors? Explain any two methods of vector with their examples . (05)



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Computer Science Engineering

Session 2022-2023 (EVEN)

Attendance

Pre University Test (Internal Practical)

Examination: III SEMESTER (CBS) (Regular)

Sr. No.	Students Name	CW 1 (P) 23/1/023	OS (P) 25/1/023	OOPS (P) 27/1/023
A	1. ABHISHEK ANIL RANGARI	-	-	-
✓	2. ABHISHEK SUNIL WASHIMKAR	Abhishek	Abhishek	Abhishek
✓	3. AMAN PRAKASH BORKAR	Aborkar	Aborkar	Aborkar
✓	4. AMIT ABHAY WALEKAR	Awalekar	Awalekar	Awalekar
✓	5. ARYAN ARVIND SAMBHE	Asmbhe	Asmbhe	Asmbhe
X	6. ASHISH HARICHAND RATHOD	Arathod	Arathod	Arathod
A	7. AYUSH SANJAY BHAIKARE	-	-	-
X	8. AYUSH KHEMRAJ RAMTEKE	Aramteke	Aramteke	Aramteke
✓	9. BHAVESH SAMPAT SAHU	Bsahu	Bsahu	Bsahu
✓	10. BIPASHA NILAMKUMAR RANGARI	Bsanganekar	Bsanganekar	Bsanganekar
X	11. BIPASHA SHAIKESH YADAV	Byadav	Byadav	Byadav
A	12. DANISH AHAMDULLAH KHAN	-	-	-
✓	13. DIPALI GAJANAN WAGH	Dwagh	Dwagh	Dwagh
✓	14. DIVYA ANIL BHAGAT	Dibhagat	Dibhagat	Dibhagat
✓	15. DIXIKA GAUTAM KOTHARE	Dkothare	Dkothare	Dkothare
A	16. FEEZA ZAKI SHEIKH	-	-	-
✓	17. HARSH SANJEEV SHARMA	Hsarma	Hsarma	Hsarma
✓	18. HARSHA JITENDRA BHIMTE	Hsbhimte	Hsbhimte	Hsbhimte



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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



X	19.	HITESH BHAURAO HARODE	Hitesh	Hitesh	Hitesh
L	20.	JASLEEN KAUR RAKHIBIR SINGH DHILLON	Jasleen	Jasleen	Jasleen
L	21.	KHUSHI ARVIND DAMAHE	Khushi	Khushi	Khushi
L	22.	KHUSHI SAMEER MUKHARE	Khushi	Khushi	Khushi
X	23.	KUSH VIJAY SAHU	Kush	Kush	Kush
L	24.	LEENA PRAMOD BOBADE	Leena	Leena	Leena
X	25.	LOVE VIJAY SAHU	Love	Love	Love
X	26.	MADHURI BANDHU KAMBLE	Madhuri	Madhuri	Madhuri
A	27.	MAYUR VIJAY CHOPADE	-	-	-
L	28.	MOHINI PANJAB RAJGURU	Mohini	Mohini	Mohini
X	29.	NAJIYA ABDUL KALAM SHEIKH	N. Shikha	N. Shikha	N. Shikha
L	30.	OM VIJAY UTTARWAR	Om	Om	Om
L	31.	POOJA RAMESH SAKHARE	Pooja	Pooja	Pooja
L	32.	PRAJAKTA NAMDEVRAO DEOSARKAR	Prajakta	Prajakta	Prajakta
L	33.	PRAJWAL ARVIND BAWANKAR	Prajwal	Prajwal	Prajwal
X	34.	PRAJWAL CHAITRAM FULZELE	Prajwal	Prajwal	Prajwal
L	35.	PRATHAM SUDAM WASNIK	Pratham	Pratham	Pratham
X	36.	PRATHAMESH SHYAM BHINGARE	Prathamesh	Prathamesh	Prathamesh
X	37.	PRERNA RAJESH USARE	Prerna	Prerna	Prerna
X	38.	PRIYANKA SURESH CHAVHAN	Priyanka	Priyanka	Priyanka
L	39.	RAJJU RAMRATAN WANVE	Rajju	Rajju	Rajju
L	40.	RAVISHI RAJENDRA TEMBHARE	Ravishi	Ravishi	Ravishi
L	41.	RITESH SUNIL WANKHEDE	Ritesh	Ritesh	Ritesh
L	42.	RIYA SHASHIKANT BANG	Riya	Riya	Riya
L	43.	ROHIT NATHUJI KHARPURIYE	Rohit	Rohit	Rohit



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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



X	44.	SAIFUDDIN ABID QURESHI			
X	45.	SAMIKSHA VIJAY PURAMSHETTIWAR	Spuranshet	Spuranshet	Spuranshet
P.L.	46.	SATISH PANCHAM GHARDE	Satish	Satish	Satish
L	47.	SHREERAM GAJANAN DAD	Shreer	Shreer	Shreer
A	48.	SHREYASH YSHWANT RAMBHAD	Shreyash		
L	49.	SHRIKANT JUGALKISHOR DAD	Shrikant	Shrikant	Shrikant
X	50.	SNEHA KACHARU JAGTAP	Jagtap	Jagtap	Jagtap
A	51.	SUCHIT SHANKARRAO SHENDRE	-	-	
X	52.	SURAJ DILIP DHOTE	Suraj	Suraj	Suraj
X	53.	SURAJ VINOD MATE	Suraj	Suraj	Suraj
L	54.	TANAY RAVINDRA KSHIRSAGAR	Tanay	Tanay	Tanay
A	55.	TEJASKUMAR NITIN POHARE	-	-	
X	56.	TRUSHNA RAMDAS KAWARE	Ramdas	Ramdas	Ramdas
L	57.	VAISNAVI RAJESH CHUTE	Vaishnavi	Vaishnavi	Vaishnavi
X	58.	VIVEK BHURAJ GAUTAM	Vivek	Vivek	Vivek
L	59.	VRUSHABH VISHWAS VIRKAR	Vrushabh	Vrushabh	Vrushabh
X	60.	YASHWANT ANKUSH LOHANDE	Yashant	Yashant	Yashant
L	61.	JANVI DILIP THAKRE	Thakre	Thakre	Thakre
L	62.	KHUSHI MAHENDRA FISKE	Ka	Ka	Ka
X	63.	LOKESH KHUSHAL SABDE	Lokesh	Lokesh	Lokesh
L	64.	ABHISHEK DNYANOBA NAVALE	Abhishek	Abhishek	Abhishek
L	65.	ANGADH KESHAVRAO DHOLE	Angadh	Angadh	Angadh
X	66.	ARPITA MUKUNDRAJ KHAWASE	Arkhawase	Arkhawase	Arkhawase
X	67.	AYUSH RAJENDRA MHAISNE	Ayush	Ayush	Ayush



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✓	68	JAYASHRI GAJANAN GAJABE	<i>Prajabe</i>	<i>Prajabe</i>	<i>Prajabe</i>
✓	69	KANHAIYA MADHUKARRAO GORE	<i>Kanhaiya</i>	<i>Kanhaiya</i>	<i>Kanhaiya</i>
✓	70	PRAJAWAL ARVIND RAUT	<i>P.Raut</i>	<i>P.Raut</i>	<i>P.Raut</i>
✓	71	PRAJWAL NARESH RAUT	<i>P.Raut</i>	<i>P.Raut</i>	<i>P.Raut</i>
✓	72	RAJANI HAUSILAL PATLE	-	-	-
✓	73	SAKSHI JAYWANT NALKANDE	<i>Salkande</i>	<i>Salkande</i>	<i>Salkande</i>
✓	74	SONAL DNYANESHWAR GURVE	<i>Dnyaneshwar</i>	<i>Dnyaneshwar</i>	<i>Dnyaneshwar</i>
✓	75	VAIBHAV LAHANU MOHOD	<i>Shambhar</i>	<i>Shambhar</i>	<i>Shambhar</i>

Prof. Nayan Shambharkar
Exam In-Charge

Prof. Mayuri Shringare
Class In-Charge

Prof. Ayaz Khan
Head of Department



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Department Of Computer Science Engineering
Session 2022-2023 (Even)




Date: 22/02/2023

NOTICE

Respective Subject Faculties of VI and VIII semester of Computer Science Engineering are hereby to inform that **Sessional Exam 1** will be conducted from **27/02/2023 onwards**.

- Time Table will be displayed on notice board.
- Sessional Exam 1 will be on Two Units.
- Please mail your Sessional Paper on
shambharkar.nayan.gni@gmail.com

With subject name and semester by **23rd Feb 2023 before 2 o'clock**.


Prof. Nayan Shambharkar
Exam Incharge, CSE


Prof. Vijaya Kamble
HOD CSE

Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur



GURU NANAK INSTITUTE OF ENGINEERING &
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23 (Even)

Sessional Exam I
Time Table


OFFLINE EXAM

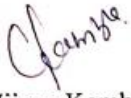
Date: 22/02/2023

Day	Date	Semester	Subject
Mon	27/02/2023	VI	IoT
		VIII	Project Presentation 1
Tue	28/02/2023	VI	Compiler Design
		VIII	ICS
Wed	01/03/2023	VI	DOS
		VIII	CCC
Thus	02/03/2023	VI	IPR
		VIII	DOS
Fri	03/03/2023	VI	Economics IT
		VIII	DF

Note

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.


Prof. Nayan Shambharkar
Exam In-charge


Prof. Vijaya Kamble
Head of Department

Head of Department
Computer Science & Engin
GNIEET, Dahegaon, Nagpur



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Computer Science Engineering

Session 2022-2023 (EVEN)



Roll List

Examination: VI SEMESTER (CBS) (Regular)

Sr. No.	Student Name	IOT 27/02/2023	CD 28/02/2023	DOS 01/03/2022	Economics IT 03/03/2023
1.	AACHAL D. MESHAM	<i>Aachal D. Meshram</i>	<i>Aachal D. Meshram</i>	<i>Aachal D. Meshram</i>	
2.	AMISHA ROSHAN RAMTEKE				
3.	ANAM M.AARIF SHEIKH				
4.	ANJUM SHEIKH	<i>Anjum</i>	<i>Anjum</i>	<i>Anjum</i>	
5.	ASHWINI VIJAY CHAUHAN	<i>Ashwini</i>	<i>Ashwini</i>	<i>Ashwini</i>	
6.	DIVYANI P. PATURDE	<i>Divyani P. Paturde</i>	<i>Divyani P. Paturde</i>	<i>Divyani P. Paturde</i>	
7.	DIVYANI SUJIT NITNAWARE				
8.	HRUTU SHISHSUPAL WALDE	<i>Hrutu Shishsupal Walde</i>	<i>Hrutu Shishsupal Walde</i>	<i>Hrutu Shishsupal Walde</i>	
9.	ISHA MURLIDHAR GOTMARE	<i>Ishamurlidhar Gotmare</i>	<i>Ishamurlidhar Gotmare</i>	<i>Ishamurlidhar Gotmare</i>	
10.	JAYASHRI KISHORE PAHADE	<i>Jayashri Kishore Pahade</i>	<i>Jayashri Kishore Pahade</i>	<i>Jayashri Kishore Pahade</i>	
11.	JYOTI YOGESH BAWANE				
12.	KALLYANI ASHOK GEDEKAR				
13.	KETKI SANJAYRAO WASULE	<i>K.S. Wasule</i>	<i>K.S. Wasule</i>	<i>K.S. Wasule</i>	
14.	MEGHANA DILIP BHUPAL	<i>Meghana Dilip Bhupal</i>	<i>Meghana Dilip Bhupal</i>	<i>Meghana Dilip Bhupal</i>	
15.	PAYAL PRABHU MANGATE	<i>P. Mangate</i>	<i>P. Mangate</i>	<i>P. Mangate</i>	
16.	PIYUSHA SANTOSH KALE	<i>P.S. Kale</i>	<i>P.S. Kale</i>	<i>P.S. Kale</i>	
17.	POOJA RAMESH ARODIYA				
18.	PRANITA CHAKRADHAR PATIYE				
19.	REKHA RAMESH RAHANGDALE	<i>Rekha Ramesh Rahangdale</i>	<i>Rekha Ramesh Rahangdale</i>	<i>Rekha Ramesh Rahangdale</i>	
20.	ROJI TEJRAM WAGHMARE				
21.	RUCHIKA KESHAV KANGALE				
22.	RUTUJA R. YERANDE	<i>Rutuja R. Yeranade</i>	<i>Rutuja R. Yeranade</i>	<i>Rutuja R. Yeranade</i>	
23.	SANGHAPRIYA V. MOHOD	<i>Sanghapriya V. Mohod</i>	<i>Sanghapriya V. Mohod</i>	<i>Sanghapriya V. Mohod</i>	

63. Shubham S. Naware
 68. Vaibhav K. Pohankar
 67. Umeshwar S. Dewase

Naware, Naware Naware
Vohankar Vohankar Vohankar
Umeshwar Umeshwar Umeshwar



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15/6 Bar 82

24.	SHIVANI UMESH SUKHADIVE			
25.	SIMMI BHAGWAN SINGH GILL			
26.	VARSHA GRDIHAR SAHU			
27.	ABHIJEET C. SUMAN	A suman	R suman	V suman
28.	ABHILIT SATISHRAO PURI	A puri	R puri	V puri
29.	ADARSH BAPURAO SARDAR	A sardar	R sardar	V sardar
30.	ADARSH AJAY SAWAIMUL	A sawaimul	R sawaimul	V sawaimul
31.	ADITYA RAJESH NARKHEDE	A narkhe	R narkhe	V narkhe
32.	AMAN MANJUNATH SHINDE			
33.	AMANSHU DILIP TAKLIKAR			
34.	ANSHUL SURESH MANWATKAR	A manwatkar	R manwatkar	V manwatkar
35.	ANURAG ANIL GANVEER	A ganveer	R ganveer	V ganveer
36.	ANURAG ASHOK SHUKLA	A shukla	R shukla	V shukla
37.	ANURAG YOGENDRA SAWARKAR			
38.	ARYASH DILIP BHALERAO	A bhalerao	R bhalerao	V bhalerao
39.	DINESH PRAKASH JIBHKATE	D jibhkate	R jibhkate	V jibhkate
40.	DIPAK PANJAB POLE	D pole	R pole	V pole
41.	HARSH RAJENDRA TAKIT	H takit	R takit	V takit
42.	HARSHAL BHOURAO GANVIR	H ganvir	R ganvir	V ganvir
43.	HEMANT RAJENDRA SHIRBHATE			
44.	MANTHAN SHRIKANT SAKHARE			
45.	MANISH MOHANLAL UKEY			
46.	NEERAJ AJAY SHRIVASTAVA	N shrivastava	R shrivastava	V shrivastava
47.	NITESH B. KHOBRAGADE			
48.	OM SHRIKRUSHNA KOLHE			
49.	OMKESH S. MOWADE	O mowade	R mowade	V mowade
50.	PAWAN KAILASH MATLANE	P matlane	R matlane	V matlane
51.	PIYUSH YOGESH SAMUNDRE	P samundre	R samundre	V samundre
52.	PRAJWAL B. BALPANDE	P balpande	R balpande	V balpande
53.	PRASHANT A. MISHRA	P mishra	R mishra	V mishra
54.	PRATHMESH P. JOSHI	P joshi	R joshi	V joshi
55.	RAHUL P. SHAMBHARKAR	R shambharkar	R shambharkar	V shambharkar
56.	RAHUL RAMESH TAYADE	R tayade	R tayade	V tayade
57.	RAMESHWAR P. CHAVHAN			
58.	RITIK SHAMRAO DHARANE			
59.	ROHIT SANTOSH SHARMA	R sharma	R sharma	V sharma
60.	SAURABH SUDHAKAR PRANJALE			

71 Yash L. Gokhale



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**GURU NANAK INSTITUTE OF ENGINEERING &
TECHNOLOGY**

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department Of Computer Science Engineering
Session 2022-2023 (Even)



Date: 03/04/2023

NOTICE

All the Students of VI and VIII semester of Computer Science Engineering are hereby to inform that **Sessional Exam 2** will be conducted from **05/04/2023 onwards**.

Time Table will be displayed on notice board.
Sessional Exam 2 will be on Two Units.

Prof. Shubhangi Ghadinkar
Exam Incharge, CSE

Dr. Balram Timande
HOD CSE
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur



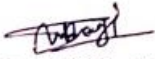
**GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR**
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23(Even)
SESSIONAL 2
Time Table
EXAM VI SEM


Date: 31/03/2023

Day	Date	Time	Subject
Wed.	05/04/2023	11.45am-12.45pm	Compiler Design
Thu.	06/04/2023	11.45am-12.45pm	IOT
Mon.	10/04/2023	10.00am-11.00am	DOS
Tue.	11/04/2023	10.45am-11.45am	Economic in IT
Wed.	12/04/2023	1.30pm-02.30pm	Open Elective

Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.


Prof. S. Ghadinkar
Sessional In-charge


Dr. B. P. Inhande
Head of Department
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur



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NAGPUR**
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Session 2022-23 (Even)
SESSIONAL 2
Time Table

EXAM VIII SEM


Date: 31/03/2023

Day	Date	Time	Subject
Wed.	05/04/2023	11.45am-12.45pm	Digital Forensic
Thu.	06/04/2023	11.45am-12.45pm	Information & Cyber Security
Mon.	10/04/2023	10.45am-11.45am	Distributed Operating System
Tue.	11/04/2023	10.45am-11.45am	Clustering & Cloud Computing

Note:

- 1) It is compulsory for all students to solve paper in a proper format.
- 2) The question paper of each subject will be of descriptive pattern.
- 3) Maximum marks: 20, Time: 1Hr.


Prof. S. Ghadinkar
Sessional In-charge


Dr. B. P. Patil
Head of Department
Head of Department
Computer Science & Engineering
GNIET, Dahegaon, Nagpur