Guru Nanak Institute of Engineering and Technology
Department of Electrical Engineering

Session 2018-2019 (EVEN)

Date- 12/12/2019

Academic Calendar

Date/ Duration	Activities
24/12/2018	Commencement of class work
26-12-2018	Elective List finalization (For 8th Sem).
02-01-2019 to 08-01-2019	Seminar/workshop/guest lecture/co-curricular activities-I
09-01-2019 to 15-01-2019	Display of Home Assignment-I
16-01-2019 to 22-01-2019	Unit Test-I
27-01-2019 to 30-01-2019	Seminar/workshop/guest lecture/co-curricular activities-II
06-02-2019 to 12-01-2019	Display of Home Assignment-II
14-02-2019 or 20-02-2019	Parent's Meeting
24-02-2019 to 03-03-2019	Unit Test -II
05-03-2019 to 10-03-2019	Display of Home Assignment-III
07-03-2019 to 08-03-2019	Seminar/workshop/guest lecture/Industrial visit/co-curricular activities-III
10-03-2019	Display of irregular and weak students list
10-03-2019 to 12-03-2019	Dispatch of progress Report
19-03-2019 to 22-03-2019	Final project submission with Thesis (For 8 th Sem)
24-03-2019 to 27-09-2019	Internal Practical Examination
02-04-2019	Last Day of Teaching(Tentative)
03-04-2019 to 13-03-2019	PUT Examination(Tentative)
18-03-2019	Uni. Exam (As per RTMNU Calendar)

Prof. R. M Bhombe
HOD EE

Guru Nanak Institute of Engineering and Technology
Department of Electrical Engineering

Session 2018-2019 (ODD)

Date- 12/06/2018

Academic Calendar

Date/ Duration	Activities
15/06/2018	Commencement of class work
18/06/2018 to 23/06/2018	Induction Program and Selection of C.R.
23-06-2018	Last date of student registration
25-06-2018	Elective List finalization (For 7 th Sem).
25-06-2018	Project Group and Guide Allotment
02-07-2018 to 07-07-2018	Seminar/workshop/guest lecture/co-curricular activities-I
09-07-2018 to 14-07-2018	Display of Home Assignment-I
16-07-2018 to 21-07-2018	Unit Test-I
28-07-2018 to 30-07-2018	Seminar/workshop/guest lecture/co-curricular activities-II
06-08-2018 to 11-08-2018	Display of Home Assignment-II
13-08-2018 or 18-08-2018	Parent's Meeting
24-08-2018 to 31-08-2018	Unit Test -II
04-09-2018 to 11-09-2018	Display of Home Assignment-III
07-09-2018 to 08-09-2018	Seminar/workshop/guest lecture/Industrial visit/co-curricular activities-III
10-09-2018	Display of irregular and weak students list
10-09-2018 to 12-09-2018	Dispatch of progress Report
18-09-2018 to 22-09-2018	Project Seminar with Report on seminar(For 7 th Sem)
24-09-2018 to 27-09-2018	Internal Practical Examination
01-10-2018	Last Day of Teaching(Tentative)
03-10-2018 to 13-10-2018	PUT Examination(Tentative)
18-10-2018	Uni. Exam (As per RTMNU Calender)

Prof. R. M Bhombe
HOD ETC

GURU NANAK INSTITUTE OF TECHNOLOGY

(NAAC ACCRDITED)

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Electrical Engineering

Session 2018-19 (Even)

ACADEMIC CALENDER

Month	Days							Working Days	Activities
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
December						1	2	0	21-12-2018 Faculty Contact Hour Finalization
	3	4	5	6	7	8	9	0	21-12-2018 Display of Time Table (Class/Section/Sem. Wise)
	1	11	12	13	14	15	16	0	24-12-2018 Commencement of Classes
	17	18	19	20	21	22	23	0	24-12-2018 Induction Program
	24	25	26	27	28	29	30	5	24-12-2018 to 29-12-2018 Registration to Department
	31							1	31-12-2018 Finalization of Elective-II & III (8th Sem)
January	Mon	Tue	Wed	Thu	Fri	Sat	Sun		05-01-2019 Project Status
		1	2	3	4	5	6	5	12-01-2019 Project Presentation-I
	7	8	9	10	11	12	13	6	14-01-2019 Display of Assignment-I & II
	14	15	16	17	18	19	20	6	23-01-2019 Submission of Assignment-I & II
	21	22	23	24	25	26	27	5	26-01-2019 Republic Day Celebration
	28	29	30	31				4	31-01-2019 Guest Leture
February	Mon	Tue	Wed	Thu	Fri	Sat	Sun		**4th to 06th Feb.2019 Sessional-I**
					1	2	3	2	05-02-2019 Display of Result (Sessional-I)
	4	5	6	7	8	9	10	6	09-02-2019 Parents Teachers Meeting
	11	12	13	14	15	16	17	6	27-02-2019 Students Forum Activities (RACE 2019)
	18	19	20	21	22	23	24	5	18th to 22nd Feb 2019 Industrial Visit
	25	26	27	28				4	23-02-2019 Project Presentation-II
									25-02-2019 Display of Assignment-III & IV
March	Mon	Tue	Wed	Thu	Fri	Sat	Sun		01-03-2019 Project Presentation (Review)
					1	2	3	2	06-03-2019 Submission of Assignment-III & IV
	4	5	6	7	8	9	10	5	**11th to 16th Dec. 2019 - Sessional-II**
	11	12	13	14	15	16	17	6	19-03-2019 Display of Result (Sessional-II)
	18	19	20	21	22	23	24	5	23-03-2019 Parents Meeting
	25	26	27	28	29	30	31	6	30-03-2019 Project Presentation-III
April	Mon	Tue	Wed	Thu	Fri	Sat	Sun		01-04-2019 Display of Assignment-V & VI
	1	2	3	4	5	6	7	5	10-04-2019 Submission of Assignment-V & VI
	8	9	10	11	12	13	14	5	12-04-2019 Project Report (Final) Submission & Presentation
	15	16	17	18	19	20	21	4	15th to 20th Internal Practical Submission
	22	23	24	25	26	27	28	0	20-04-2019 Last Teaching Day
	29	30						0	**22nd to 27th PUT Exam**
								0	30-04-2019 Display of Result (PUT)
								93	**Total Working Days**

List of Holidays	
#########	Christmas
#########	Republic Day
#########	Chhatrapati Shivaji Jayanti
#########	Mahashivratri
#########	Holi
#########	Gudipadva
#########	Shri Ram Navmi
#########	Mahavir Jayanti
#########	Good Friday

HoD

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur

NAAC Accredited

Session 2020-21 (ODD)

Date: 26.06.2021

ACADEMIC CALENDAR

(For B.E. / B. Tech. –VII Sem)

Original

Sr.No.	Teaching Learning	Date
1	Faculty Subject Choice	12/06/2021
2	Load Calculation, Department Planning and Faculty Requirment	13/06/2021
3	Verification of Classrooms and Laboratories	14/06/2021
4	Stationary/ Equipment Requirement	15/06/2021
5	Finalization of 7th Sem project group & Allotment of Project Guide	16/06/2021
6	Display of Time- Table Preparation	19/06/2021
7	Student List and Attendance Register (7th sem)	21/06/2021
8	Preparation of lesson Plan/ Teaching plan	22/06/2021
9	**Commencement of Classes**	**26/06/2021**
10	Student Registration to the department	26/6/2021 to10/7/2021
11	Finalization of Electives (7th Sem) + Project	26/06/2021to 30/6/2021
12	Teacher Gordian Allotment	28/06/2021
13	Preparation of Course File, Lab Manual etc.	3/7/2021
14	Industrial Visit/ III Cell Activity/ T & P Activity/ TGM	5/7/2021-12/7/2021
15	Attendance Review	21/7/2021
16	Student Feedback	24/7/2021
17	Monthly Audit/Finalization of 7th sem Project with Title & Industry Tie up	26/7/2021
18	Display of Assignment-I & II, Submission date: 3/8/23	27/7/2021
19	Display of Question Bank	28/7/2021
20	**Sessional-I Exam**	**3/8/2021 to 9/8/2021**
21	Project Presentation-I	10/8/2021-11/8/2021
22	Display of Result (Sessional-I) &Send Letter to Parents	14/8/2021
23	Synopsis Submission	17/8/2021
24	Attendance Review/ Parents Teacher Meeting	18/8/2021
25	Monthly Audit/ Students Feedback	24/8/2021
26	Display of Assign-III & IV, Submission date:1/9/23	25/8/2021
27	Industrial Visit/ III Cell Activity/ T & P Activity/ TGM	21/8/2021-31/8/2021
28	Display of Question Bank	1/9/2021
29	Project Presentation-II	11/9/2021-12/9/2021
30	**Sessional-II Exam**	**4/9/2021-8/9/2021**
31	Attendance Review/Display of Provisional Detention List	6/9/2021
32	Display of Result (Sess.- II) & Send Letter to Parents	11/9/2021
33	Parents Teacher Meeting	12/9/2021
34	Monthly Audit/ Students Feedback	26/9/2021
35	Conductional of Remedial Classes for Slow Learner Students	11/9/2021-13/9/2021
36	Industrial Visit/ III Cell Activity/ TGM	25/9/2021-29/9/2021
37	Submission of Final Students Detention List	22/9/2021
38	**Last Teaching Day & Display of Question Bank**	**29/9/2021**
39	**PUT Exam./ Internal Practical Exam**	**3/10/2021 to 9/10/2021**
40	Student feedback by HoD	9/10/21
41	Display of Result (PUT) & Send Letter to Parents	12/10/21

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

Prof. Rajendra Bhombe
HOD EE

Prof. Rajendra Bhombe
Vice-Principal

Dr. Sanjeev Shrivastav
Principal

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar road, Nagpur

NAAC Accredited

Session 2022-23 (EVEN)

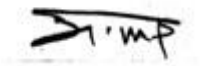
ACADEMIC CALENDAR

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

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

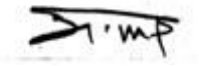
34	2023	Project Presentation-III	10th to 14th April 2023
35		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	17th to 21st April 2023
36		Attendance Review/ Final Student Detention List	25th April 2023
37		Monthly Audit/ Student Feedback	28th April 2023
38	May-2023	Internal Practical (6th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

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



Prof. RajendraBhombe

HOD EE



Prof. RajendraBhombe

Vice- Principal

Dr. HemantHajare

Principal

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar road, Nagpur

NAAC Accredited

Session 2022-23 (EVEN)

ACADEMIC CALENDAR

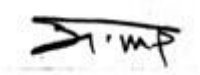
Electrical Engineering

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

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

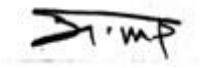
33	April-2023	Display of Question Bank (6th and 8thSem)	7th April 2023
34		Project Presentation-III	10th to 14th April 2023
35		Industrial Visit/ III Cell Activity/ T&P Activity/ TG Meeting	17th to 21st April 2023
36		Attendance Review/ Final Student Detention List	25th April 2023
37		Monthly Audit/ Student Feedback	28th April 2023
38	May-2023	Internal Practical (6th and 8thSem)	1st to 5th May 2023
39		PUT Exam (6th and 8thSem)	8th to 12th May 2023

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



Prof. RajendraBhombe

HOD EE



Prof. RajendraBhombe

Vice- Principal

Dr. HemantHajare

Principal

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

NAAC ACCREDITED

Dahegaon, Kalmeshwar Road, Nagpur 441501

Session 2021-22 (EVEN)

ACADEMIC CALENDAR

Month	MON	TUE	WED	THU	FRI	SAT	SUN	Working Days	Activities
JAN						1	2	0	01-01-22 To 19-01-22 5th Sem RTMNU Exam
	3	4	5	6	7	8	9	5	14-01-22 Faculty Contact Hour Finalization
	10	11	12	13	14	15	16	5	18-01-22 Display of Time Table (Class/Sem. Wise)
	17	18	19	20	21	22	23	5	**20-01-22 Commencement of Classes**
	24	25	26	27	28	29	30	4	20-01-22 To 24-01-22 Registration to the Department/ III Cell Activity/ T&P Activity
	31							1	25-01-22 Finalization of Elective-II & III (8th Sem)
									26-01-22 Republic Day Celebration
FEB	MON	TUE	WED	THU	FRI	SAT	SUN		03-02-22 Project Presentation-I & Review of Project
		1	2	3	4	5	6	4	04-02-22 Display of Assignment-I&II, Submission: 11-02-22
	7	8	9	10	11	12	13	5	07-02-22 To 11-02-22 Workshop
	14	15	16	17	18	19	20	5	**14th To 18th Feb.22 Sessional-I**
	21	22	23	24	25	26	27	5	21-02-22 Display of Result (Sessional-I) & Send Letter to Parents
	28							1	22-02-22 Parents Teachers Meeting
									23-02-22 To 25-02-22 Guest Lecture/ Industrial Visit/ III Cell Activity/ T&P Activity
									28-02-22 Display of Provisional Detention List (for attendance <75% up to 25-02-22)
MARCH	MON	TUE	WED	THU	FRI	SAT	SUN		04-03-22 Display of Assignment-III&IV, Submission: 11-03-22
		1	2	3	4	5	6	3	07-03-22 Project Presentation-II
	7	8	9	10	11	12	13	5	08-03-22 To 09-03-22 Students Forum Activities
	14	15	16	17	18	19	20	4	14-03-2022 To 17-03-22 Webinar/ Industrial Visit/ III Cell Activity/ T&P Activity
	21	22	23	24	25	26	27	5	21th to 25th Mar.22 Sessional-II
	28	29	30	31				4	29-03-22 Display of Result (Sessional-II) & Send Letter to Parents
									30-03-22 Parents Meeting
									31-03-22 Review of Syllabus by HoD
APRIL	MON	TUE	WED	THU	FRI	SAT	SUN		01-04-22 Project Presentation-III
					1	2	3	1	04-04-22 To 08-04-22 STTP
	4	5	6	7	8	9	10	5	11-04-22 Display of Assignment-V&VI, Submission: 18-04-22
	11	12	13	14	15	16	17	3	18-04-22 To 22-04-22 Conduction of Remidial Classes for Slow Learner Students
	18	19	20	21	22	23	24	5	25-04-22 Final Project Report (Thesis) Submission & Presentation
	25	26	27	28	29	30		5	25-04-22 Faculty Feedback by HoD/ Student Feedback by HoD
									26-04-22 To 29-04-22 Internal Practical Submission/ III Cell Activity/ T&P Activity
									29-04-22 Submission of Final Detention List
MAY	MON	TUE	WED	THU	FRI	SAT	SUN		
							1	-	2nd To 6th PUT Exam
	2	3	4	5	6	7	8	5	07-05-22 Display of Result (PUT) & Send Letter to Parents
	9	10	11	12	13	14	15	0	07-05-22 Last Teaching Day
	16	17	18	19	20	21	22	0	
	23	24	25	26	27	28	29	0	
	30								
								85	Total Working Days

List of Holidays		
26th	Jan.22	Republic Day
19th	Feb.22	Chhatrapati Shivaji Jayanti
1st	March.22	Mahashivratri
18th	March.22	Holi
2nd	April.22	Gudipadva
10th	April.22	Shri Ram Navmi
14th	April.22	Ambedkar Jayanti
14th	April.22	Mahavir Jayanti
15th	April.22	Good Friday
1st	May.22	Maharashtra Din
3rd	May.22	Ramzan Eid

Academic Audit
28th Jan/ 25th Feb/28th March/25th April

Display of Subject wise Question Bank
10th Feb/ 17th March/ 25th April

Academic Dean

Officiating Principal

Principal

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

SESSION 2018-19

List of Project Guides & Title:

Date: 21/01/19

Sr. No.	Members	Group No.	Roll No.	Name of Student	Name of Guide	Project Title	Signature of Guide
1	1	1	[illegible]		Prof. R. M. Bhombe	**Power Electronics interface for hybrid electrical vehicle**	
2	2		9-A	Ms. Nikita Ishwar Tonge			
3	3		21-A	Mr. Amit Vitthalrao Nichal			
4	4		22-A	Mr. Aniket Durgaprasad Mehar			
5	5		30-A	Mr. Shubham Deoraoji Zade			
6	6		42-A	Mr. Shubham H. Rahile			
7	1	2	21-B	Mr. Sagar Yograj Gawali	Prof. R. M. Bhombe	**Wireless monitoring & controlling system for distribution transformer**	
8	2		13-B	Mr. Akash Raju Chamat			
9	3		16-B	Mr. Ashish Hemraj Deotale			
10	4		18-B	Mr. Rahul Manohar Dorlikar			
11	5		33-B	Mr. Yogesh Nagdeve			
12	6		23-B	Mr. Shubham R. Charde			
13	1	3	25-A	Mr. Pawan Ramesh Moroliya	Prof. S. Jethani	**Energy Prediction for future consumption using Artificial Intelligence**	
14	2		32-A	Mr. Shyam Jagdish Wanjari			
15	3		37-A	Mr. Vaibhav Natthuji Tibole			
16	4		28-A	Mr. Sagar L. Kharpuriye			
17	5		24-A	Mr. Manish L. Khajuriya			
18	1	4	11-A	Ms. Payal Uttam Bagde	Prof. D. Khare	**Speed Control of Induction**	
19	2		18-A	Ms. Shivani Vijay			

				Chaware		motor using Zigbee
20	3		08-B	Ms. Mohini Vijay Rangari		
21	4		4-A	Ms. Bhagyashri S. Kamthe		
22	5		26-A	Mr. Piyush Yede		
23	6		35-B	Mr. Chetan Game		
24	1	5	1-A	Ms. Aishvarya N. Meshram	Prof. S. Saba	Super capacitor based metro train
25	2		15-A	Ms. Pranjali Bhaurao Ganvir		
26	3		6-A	Ms. Kanchan Narayan Raut		
27	4		10-A	Ms. Pallavi Rambhau Shete		
28	5		5-B	Ms. Kirti Mahadeo Meshram		
29	6		40-A	Ms. Mona S Kewalkar		
30	1	6	36-A	Mr. Tinku Deepak Narnaware	Prof. Y. Likhar	Shock Proof Automatic Air Cooler
31	2		23-A	Mr. Harshal Vinayak Kadu		
32	3		34-A	Mr. Suraj Prabhakar Chikate		
33	4		35-A	Mr. Swapnil Ramesh Channe		
34	5		17-B	Mr. Chetan Moreshwar Parate		
35	1	7	29-A	Mr. Sameer Arun Mahakulkar	Prof. H. Murkute	Human Power Treadle for clear electrical power generation
36	2		33-A	Mr. Sumit Sunil Bedarkar		
37	3		27-A	Mr. Rahul Suresh Bhingare		
38	4		19-B	Mr. Ravikumar K Wakde		
39	5		39A	Mr. Nayan Sudhakar Dahare		
40	1	8	26-B	Mr. Pratik Devidas Chalkhor	Prof. S.Saba	Minimizing penalty in Industrial power
41	2		27-B	Mr. Akash Ramesh Bisen		

42	3		6-B	Ms. Madhuri N. Shende		**Consumption by engaizing APFC unit**	
43	4		11-B	Ms. Pratiksha Karadbhajane			
44	5		31-B	Mr. Neeraj Solanki			
45	1	**9**	2-B	Ms. Damini S. Nimburkar	Prof. D. Khare	**IOT based speed Control of Induction Motor**	
46	2		3-B	Ms. Jayshri D. Dongare			
47	3		30-B	Ms. Puja Chandrabhan Ogale			
48	4		28-B	Mr. Ashwini Marotrao Kelkar			
49	5		32-B	Mr. Sohal Anil Sonwane			
50	1	**10**	29-B	Ms. Samiksha Prakash Dhoke	Prof. S. Jethani	**Automatic Seed sowing machine**	
51	2		10-B	Ms. Pranali Ravindra Dhote			
52	3		20-B	Mr. Rushabh R Khadaskar			
53	4		7-B	Ms. Mohini Deepak Narnaware			
54	5		22-B	Mr. Saurabh R. Kapse			
55	6		34-B	Mr. Rakshak Ashok Uprade			
56	1	**11**	5-A	Ms. Damini M Chimote	Prof. A. Pillewan	**A wireless data acquisition system for speed control, temprature control, P.F improvement**	
57	2		8-A	Ms. Nidhi Diwakar Kautkar			
58	3		16-A	Ms. Rutuja P. Tajane			
59	4		38-A	Mr. Ashish Jagdish Sharma			
60	5		15-A	Mr. Aman Sharma			
61	6		14-B	Mr. Akshay D. Sathawane			
62	1	**12**	2-A	Ms. Anita Hiralal Waghmare	Prof. Y. Likhar	**Electricity generation from waste heat radiated from**	
63	2		13-A	Ms. Prajakta V. Pelagade			
64	3		7-A	Ms. Khushbu C. Sawalkar			

65	4		19-A	Ms. Sneha Santosh Talmale		machine using Thermo ectric generation	
66	5		31-A	Mr. Shubham Hiraman Dagade			
67	1	13	1-B	Ms. Ankita Vijay Dahat	Prof. A. Pillewan	**Modified solar Tower with sun tracking & cleaning system**	
68	2		4-B	Ms. Kajal Kamal Das			
69	3		9-B	Ms. Palaksha N. Bagade			
70	4		12-B	Ms. Vaishali Shivdas Borkar			
71	5		24-B	Mr. Sumit Ganesh Shelke			
72	6		25-B	Mr. Swapnil Kumeriya			
73	1	14	12-A	Ms. Pooja Rajesh Anjankar	Prof. A.Tekade	**Urban Area Automation System**	
74	2		17-A	Ms. Samrudhi Rajesh Gorle			
75	3		20-A	Ms. Tejal D. Chimote			
76	4		14-A	Ms. Prajkta Dilip Landge			
77	5		43-A	Mr. Dushyant R. Kalbande			
78	6		41-A	Mr. Saurabh S. Gaikwad			

Prof. Y. Likhar
Project Co-ordinator

Prof. R.M. Bhombe
HOD, EE

DEPARTMENT OF ELECTRICAL ENGINEERING

Session 2020-21

PROJECT ASSESSMENT LIST

Group No.	Guide Name	Area of specialization	Name of Student	Remark
1	Prof. Milind Rode	Intelligent Protector For All Electrical Appliance	Sonal Barbatkar Komal Giradkar Akshay Belsare Prasil Nikose Sumit Choudhari	
2	Prof. Milind Rode	Solar Powered Smart Dry Hand Sanitizer Dispenser Machine With Level Monitoring System	Purnima Burade Sankalp Nagarkar Ajay Dhikar Lakhan Ghuglot Saurabh bagde	
3	Prof. Yogesh Likhar	Solar Operated Smart Irrigation System	Tejaswini Bodhke Tejal Raut Shital Salodkar Shamila Bhoumik Hempushpa Padoti	
4	Prof. Milind Rode	IOT Based Home Automation Using Nodeemcll ESP8266 Blink Application	Sumit Arewar Vijy Tagde Wasim Ansari Yash Bhandari	
5	Prof. R. M. Bhombe	Regerating The Energy From Building Lift	Akash Deshmikh Akash Pakhale Aniket Wankhade Aditya Jegewar Mayor Kene	

6	**Prof. Diksha Khare**	**Three Phase Transimmision Line Fault Detection And Analysis System**	Suchita Pawar Mayuri Bhoyer Anjali Chappragade Vaibhav Tondre Harshal Atram	
7	**Prof. R. M. Bhombe**	**Industrial Automation SCADA System For Crane**	Prachi Dhongade Aditi Rane Gaurav Gawande Pruvthiraaj Chauvhan Priyanka Borkar	
8	**Prof. Diksha Khare**	**Energy Converstion by hybrid conveyar belt**	Piyush Ghate Akshay Nakade Akshep Masle Bhushan Kunghe	
9	**Prof. Yogesh Likhar**	**Smart Helmet for Alcohol alert**	Laik Qureshi Nikhil Nanhore Himanshu Bharne Chaitanya Bhonde Shubham Sakhare	
10	**Prof. Diksha Khare**	**Design Of PI Controller For DC Motor Closed Loop Sped Controler**	Pratik Pande Abhijit Nitam Amol Patil Ajay Walde Rajeshwari Belkhade	
11	**Prof. Akshay Pillewan**	**Three Phase Industrial Motor Protection Sysytem**	Shubham Pailwal Shubham Khamkar Saurabh Bondre Rita Gedam Saonali Warghat	
12	**Prof. Akshay Pillewan**	**Smart blind stick**	Satyam Bhivgade Vickey Burde Lucky Sarjare Sahabaz Khan	

			Manish Nagrare	
6	**Prof. Diksha Khare**	**Home Automation Power Monotioring Using Node MCU**	Badal hirkhande	
			Arvind gajkeshwar	
			Satyamkumar tete	
			Sandip banewar	

Project Coordinator **HoD, EE**

DEPARTMENT OF ELECTRICAL ENGINEERING

Session 2022-23

PROJECT LIST

Date: 05/07/2022

Group No.	Guide Name	Area of specialization	Name of Student	Remark
1	Prof. R. M. Bhombe	Electric Automated Wheel Chair	Dhammanand Prabhudas Mohod	
			Vandana Mohankar	
			Chetna Ambagade	
			Yogita uikey	
			Waqar Ahmad	
2	Prof. R. M. Bhombe	Automated Smart Cabin	Mayur bhakte	
			Nikhil bhalerao	
			Ankit kawdkar	
			Niraj nile	
			Badal Rangari	
3	Prof. Diksha Khare	Water Purification using solar energy	Ganesh Bhandarwad	
			Bhagwat Devsarkar	
			Shubham Rajepwad	
			Rakhi patale	
			Sushma Mendhe	
4	Prof. Diksha Khare		Rugwed shivshankar Tembhare	
			Vaishnavi raju Madankar	
			Gajanan Gahule	
			Depak Pache	
			Rajat Kuthe	
5	Prof. Akshay Pillewan	Solar Wireless Electric Vehicle Charging system	Harshal Jaiwar	
			Saurabh Khujnare	
			Gaurav Madekar	
			Sumit Bhoyar	
			Ajinkya Mate	
6	Prof. Akshay Pillewan	Advance Farming By using Hybrid Energy	Ravindra Hole	
			Sahil Tale	
			Bhushan murodiya	
			Shweta Randkhe	
			Aarti khambalkar	

7	**Prof. Yogesh Likhar**	**Industrial Load Management System**	Mahesh Dilip Musale Sarvan N Gour Sweta Kiranrao Ghatole Gaurav sheshrao Dhakre Purvendra Kasade	
8	**Prof. Yogesh Likhar**	**Floating Solar PV System**	Prasad S Tembhurnikar Vaibhav Mamatkar Arjun Deshmukh Sanket P Gund Suraj V Lekurwale	
9	**Prof. Manish Agrawal**	**Ebike Speed Controller System**	Vivek Surajlal Sahare Milind Kuldip Gadling Mahesh Raju Verma Ojasvi Sanjay Burande Pallavi Deoraoji Ghonge	
10	**Prof. Manish Agrawal**	**HVDC Power Supply Design**	Vilas mahure Akhil chhanikar Achal wadbude Sadhna bisen	
11	**Prof. Pallavi Barekar**	**Design And development of hybrid charging system for electric vehicle**	Pritam chaple Shreya kapse Jitesh gharpure Kritesh satpute Shubham mathurkar	
12	**Prof. Ankita Bhimgade**	**IOT Based Overload Power Monitoring and Controlling System**	Bhavika shende Pooja Sende Punam Mahure Sweta Randkhe	

Project Co-ordinator **HoD, EE**

DEPARTMENT OF ELECTRICAL ENGINEERING

Session 2022-23

PROJECT LIST

Date: 05/07/2022

Group No.	Guide Name	Area of specialization	Name of Student	Remark
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			Chetna Ambagade	
			Yogita uikey	
			Waqar Ahmad	
2	Prof. R. M. Bhombe	Automated Smart Cabin	Mayur bhakte	
			Nikhil bhalerao	
			Ankit kawdkar	
			Niraj nile	
			Badal Rangari	
3	Prof. Diksha Khare	Water Purification using solar energy	Ganesh Bhandarwad	
			Bhagwat Devsarkar	
			Shubham Rajepwad	
			Rakhi patale	
			Sushma Mendhe	
4	Prof. Diksha Khare		Rugwed shivshankar Tembhare	
			Vaishnavi raju Madankar	
			Gajanan Gahule	
			Depak Pache	
			Rajat Kuthe	
5	Prof. Akshay Pillewan	Solar Wireless Electric Vehicle Charging system	Harshal Jaiwar	
			Saurabh Khujnare	
			Gaurav Madekar	
			Sumit Bhoyar	
			Ajinkya Mate	
6	Prof. Akshay Pillewan	Advance Farming By using Hybrid Energy	Ravindra Hole	
			Sahil Tale	
			Bhushan murodiya	
			Shweta Randkhe	
			Aarti khambalkar	

7	**Prof. Yogesh Likhar**	**Industrial Load Management System**	Mahesh Dilip Musale Sarvan N Gour Sweta Kiranrao Ghatole Gaurav sheshrao Dhakre Purvendra Kasade	
8	**Prof. Yogesh Likhar**	**Floating Solar PV System**	Prasad S Tembhurnikar Vaibhav Mamatkar Arjun Deshmukh Sanket P Gund Suraj V Lekurwale	
9	**Prof. Manish Agrawal**	**Ebike Speed Controller System**	Vivek Surajlal Sahare Milind Kuldip Gadling Mahesh Raju Verma Ojasvi Sanjay Burande Pallavi Deoraoji Ghonge	
10	**Prof. Manish Agrawal**	**HVDC Power Supply Design**	Vilas mahure Akhil chhanikar Achal wadbude Sadhna bisen	
11	**Prof. Pallavi Barekar**	**Design And development of hybrid charging system for electric vehicle**	Pritam chaple Shreya kapse Jitesh gharpure Kritesh satpute Shubham mathurkar	
12	**Prof. Ankita Bhimgade**	**IOT Based Overload Power Monitoring and Controlling System**	Bhavika shende Pooja Sende Punam Mahure Sweta Randkhe	

Project Co-ordinator **HoD, EE**

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DEPARTMENT OF ELECTRICAL ENGINEERING

Session 2022-23

PROJECT LIST

Date: 16/01/2023

Group No.	Guide Name	Project Title	Name of Student	Remark
1	Prof. R. M. Bhombe	Electric Automated Wheel Chair	Dhammanand Prabhudas Mohod	
			Vandana Mohankar	
			Chetna Ambagade	
			Yogita uikey	
			Waqar Ahmad	
2	Prof. R. M. Bhombe		Mayur bhakte	
			Nikhil bhalerao	
			Ankit kawdkar	
			Niraj nile	
			Badal Rangari	
3	Prof. Diksha Khare	Condition Monitoring of Power Transformer using fuzzy logic	Ganesh Bhandarwad	
			Bhagwat Devsarkar	
			Shubham Rajepwad	
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			Sushma Mendhe	
4	Prof. Diksha Khare		Rugwed shivshankar Tembhare	
			Vaishnavi raju Madankar	
			Gajanan Gahule	
			Depak Pache	
			Rajat Kuthe	
5	Prof. Akshay Pilewan	Advance Electrical Energy generation from Exhaust air	Harshal Jaiwar	
			Saurabh Khujnare	
			Gaurav Madekar	
			Sumit Bhoyar	
			Ajinkya Mate	
6	Prof. Akshay Pillewan	Advance Farming By using Hybrid Energy	Ravindra Hole	
			Niraj Nile	
			Bhushan murodiya	
			Shweta Randkhe	
			Aarti khambalkar	

7	**Prof. Harshal Ghatole**	**Industrial Load Management System**	Mahesh Dilip Musale Sarvan N Gour Sweta Kiranrao Ghatole Gaurav sheshrao Dhakre Purvendra Kasade	
8	**Prof. Swati Gajbhiye**	**Automatic Solar Street Light**	Prasad S Tembhurnikar Vaibhav Mamatkar Arjun Deshmukh Sanket P Gund Suraj V Lekurwale	
9	**Prof. Manish Agrawal**	**Condition monitoring for industrial motor by AI Technique**	Vivek Surajlal Sahare Milind Kuldip Gadling Mahesh Raju Verma Ojasvi Sanjay Burande Pallavi Deoraoji Ghonge	
10	**Prof. Manish Agrawal**	**Real time fault detection protection in transmission line using IOT**	Vilas mahure Akhil chhanikar Achal wadbude Sadhna bisen	
11	**Prof. Swati Gajbhiye**	**Design And development of hybrid charging system for electric vehicle**	Pritam chaple Shreya kapse Jitesh gharpure Kritesh satpute Shubham mathurkar	
12	**Prof. Harshal Ghatole**	**IOT Based Overload Power Monitoring and Controlling System**	Bhavika shende Pooja Sende Punam Mahure Sweta Randkhe	

Project coordinator **HoD, EE**

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electrical Engineering

Sessional - 2

Year/Sem: 8th sem Subject: EHV AC HVDC Tranasmission

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. State the merits of HVDC as compared to EHV AC for 1.Long length high power lines. 2.Interconnection. **4**
2. What are the various kind of dc link? Explain briefly with applications. **4**
3. State the factors to be consisderd in selecting a site of earth electrode. **4**
4. What are the troubles caused by Earth current?Also state the Remedial measures. **4**
5. What is earth electrode? Why does it need special attention **4**
6. Explain the configuration of parallel mesh type MT HVDC system **4**
7. Explain configuration of series MT HVDC system **4**
8. Draw single line diagram of HVDC substation and write the function of each component. **4**

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Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electrical Engineering

Sessional - 2

Year/Sem: 8th sem Subject: EHV AV HVDC Transmission

Time: - 01 Hours Maximum Marks: - 20

Date:-

INSTRUCTIONS TO CANDIDATE.

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1. State the merits of HVDC as compared to EHV AC for 1.Long length high power lines. 2.Interconnection. **4**
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NAAC ACCREDITED

Subject: Electromagnetic Field

Code: BTCHEE405T

Branch/Semester: Electrical/ 4th sem

Time: 10.15 to 11.15 **Date-** 05/03/2023

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	Given points M(5,20^0 ,120^0)& N(2,80^0,30^0) a)Find distance from M to N b)Find unit vector in spherical co-ordinate system at M directed towards N	5	UN	CO-1
2	Given two vectors $\vec{r}_A = -\hat{a}_x - 3\hat{a}_y - 4\hat{a}_z$, $\vec{r}_B = 2\hat{a}_x + 2\hat{a}_y + 2\hat{a}_z$ and point C(1,3,4). Find (a) $\vec{R}_{AB}$, (b) $\left\vert\vec{r}_A\right\vert$, (c) $\hat{a}_A$, (d) $\hat{a}_{AB}$, (e) a unit vector directed from point C to point A.	5	UN	
3	Express the temperature field T= 240+z^2-3xy	5	UN	
4	Transfer each of the following into cylindrical co-ordinates at the points indicated. A) 5âx at (4,120º,2) B) 5âx at (3,4, -1) C) 4âx-2ây-4âz at(2,3,5)	5	UN	
5	State & explain Coulombs law	5	AN	CO-2
6	Derive an expression for the intensity of an electric field at any general point due to infinitely long uniform line charge.	5	AN	
7	Calculate electric field intensity at A(2,3,2) in 3 space caused by a charge Q1=7nc pt(2,4,2) & other charge Q2=3nc at pt(2,0,2)	5	UN	
8	A charge of 5uc is located at M (2.5, -3, 1.5) & second charge at N (-1,8,1.2) of charge -3uc. Find $\bar{E}$ at 1) origin 2) c(1.5,2,5)	5	UN	

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Sessional-I (02/2024)

Subject: Electrical Safety and Standards (CBCS)

Code: BTCHEE801T

Branch/Semester: Electrical / VIII sem

Time: 10.15am to 11.15am **Date- 13/02/2024**

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	What do you understand by unsafe acts?	5	Un	CO-1
2	List the various hazards of electricity.	5	Rg	
3	What is scope of subject "electrical safety" ?	5	Un	
4	What are the effects of electrical current on the human body?	5	Ap	
5	Define safety management. Draw an safety organization chart for (a) plant under operation	5	Rg	CO-2
6	Explain the principles of safety management?	5	Un	
7	Explain the safety audit and its types and coverages.	5	Un	
8	State unsafe acts which would cause electrical causes.	5	Un	

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Sessional-II (Month/Year)

Subject: Electromagnetic fields

Code: BTCHEE405T

Branch/Semester: Electrical/4th sem

Time: 2.00 pm to **3.00 pm** **Date-** 22/04/2022

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	Derive Maxwell's eq^n for time varying field in point form and integral form.	5	EX	CO-3
2	Derive the expression for scalar & vector magnetic potential.	5	EX	
3	State and Explain Biot Savart Law and ampere circuital law.	5	EX	
4	State & explain Stoke's theorem.	5	EX	
5	What is skin effect? Explain with one example.	5	EX	CO-4
6	State and derive Poynting vector theorem.	5	EX	
7	Define the following terms. i) Radiation Intensity ii) Directive Gain iii) Power Gain iv) Beam Width v) Front to Back Ratio vi) Antenna Efficiency	5	EX	
8	A current of 0.6 Amp in $\vec{az}$ direction in free space is in filaments parallel to z axis and passing through the point $(2,-4,0)$. Find $\bar{H}$ at $(0, 1, 0)$ if filament lies in the interval. i) $-\infty < z < \infty$ ii) $-3 < z < 3$ iii) $0 < z < \infty$	5	APP	

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Sessional-I (Month/Year)

Subject: Electrical Drives And Their Control

Code: BTCHEE605T

Branch/Semester: EE/6th Sem

Time: 10.15 to 11.15 **Date- 20-02-2023**

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 Starting of Motor	5	An	CO-1
2	Explain Braking of DC Motor	5	An	
3	What are the application of Electrical Drive	5	An	
4	What are different types of Electrical Drive	5	An	
5	State the requirements and mention the drives commonly used in following industrial/domestic application. i) Rolling mills ii) Electric propulsion in ships iii) Pumps iv)Belt conveyors	5	Re	CO-2
6	Write short notes on : i) RMS rating of electrical motor. ii) Types of drives	5	Re	
7	Explain the block diagram of an electrical drive	5	Un	
8	Explain in brief electrical characteristic of motor under starting condition	5	Un	

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Question Bank

2021-2022

Branch	**Electrical Engineering**
Semester	**VIII**
Subject	Advance ProfessionalElective- VII EHVAC/DC Transmission System
Subject Code	BTCHEE803T

Department of Electrical Engineering

<table>
<tr><th colspan="2">UNIT-I</th><th>Marks</th><th>Blooms Level</th><th>COn</th></tr>
<tr><td>1</td><td>Prove that percentage power loss in AC transmission line is independent of its length.</td><td>5</td><td>Ap</td><td rowspan="8">CO-1</td></tr>
<tr><td>2</td><td>Derive the Co-sine Law for voltage gradient for two bundled conductors</td><td>5</td><td>Un</td></tr>
<tr><td>3</td><td>A power of 12000 mw is required to be transmitted over a distance of 1000 km at a voltage
level of 400 kV and 750 kV determine.
i) Possible number of circuit required with equal magnitude for sending and receiving
end voltages with 30º phase difference.
ii) Current Transmitted
iii) Total line loss
<table>
<tr><td></td><td>400kv</td><td>750kv</td></tr>
<tr><td>Line resistance (Ω) | km</td><td>0.031</td><td>0.0136</td></tr>
<tr><td>Line reactance ((Ω | km)</td><td>0.327</td><td>0.272</td></tr>
</table></td><td>55</td><td>Ev</td></tr>
<tr><td>4</td><td>A single circuit transmission line is placed above ground to study the High voltage effect. The conductors are ASCR. With diameter 0.635 m and separated by a distance of 6m. The line height is 21m above ground.
i) Find Maxwell's potential coefficient
ii) Find charge coefficient of voltage are 400 kV.
iii) Check whether corona take place on the surface</td><td>5</td><td>Ev</td></tr>
<tr><td>5</td><td>Derive an expression for Maxwell's potential coefficient of a 1ph line considering the effect of ground.</td><td>5</td><td>Ap</td></tr>
<tr><td>6</td><td>A power of 2000mw is to be transmitted from Chandrapur thermal power station to Western part of Maharashtra over a distance of 800km. Use 400kV and 750kV transmission system for it. Calculate number of circuits with 40% series capacitor compensation and also calculate the total power loss. Assume and values of 'x' and 'r' as given below 30º □=</td><td>5</td><td>Ev</td></tr>
<tr><td>7</td><td>A 735kV line has N = 4, r = 0.0176m B = 0.4572m for bundled conductor of each phase. The line height & phase spacing in horizontal configuration are H = 15m S = 15m, Calculate the Max. Surface voltage gradients on the centre phase and outer</td><td>5</td><td>Un</td></tr>
</table>

	phases using Mangoldt formula. N = No. of bundled conductors. r - radius of subconductor B = Bundle spacing			
8	Derive the equations for maximum voltage gradient on the centre and outer phases of 3 conductors in case of EHVAC transmission system.	5	Un	
9	Calculate the maximum voltage gradient on the center of outer phases of 3 conductors in case of EHVAC Transmission system of 735 kV line. The line parameter are N = 4, r=0.0176 m, B = 0.4572 m for Bundled conductor of each phase. The line height and phase spacing in Horizontal Configuration are H = 15m & S = 15m use mangoldt formulae.	5	Ev	
10	Describe with Mathematical formation the cosine law of variation of surface voltage gradient of Bundled conductors	5	Un	
UNIT-II		Marks	Blooms Level	COn
1	Discuss the effect of high electrostatic field on humans, animals, and plants.	5	Un	
2	What are the different methods for measurement of electrostatic field ? Explain any one of the method	5	Re	
3	Find the critical disruptive voltage and critical voltage for local and general corona on a 66 kv, 3 overhead line consisting of three stranded copper of an equilateral triangle. Air temperature and pressure are 21ºC & 73.6 cm of Hg respectively. The conductor diameter is 10.4 mm.	5	Ev	
4	What is charge voltage diagram ? Derive the expression for for corona energy loss from a charge voltage diagram.	5	Re	CO-2
5	Describe the difference between primary shock current & secondary shock current. What is the meaning of let go current?	5	Un	
6	Find the critical disruptive voltage and critical voltage for local and general corona on a 66kV, overhead line consisting of three stranded copper of an equilateral triangle. Air temperature and pressure are 21°C & 73.6cm of Hg respectively. The conductor diameter is 10.4mm. 3	5	Ev	

UNIT-III		Marks	Blooms Level	COn
1		5	Un	CO-3

	Describe various configuration of earth electrodes used in HVDC schemes.			
2	Compare EHVAC and HVDC transmission line with respect to : i) Bulk power transmission. ii) Line compensation. iii) Skin effect. iv) Power transfer and reactive power	5	Ev	
3	State the different kinds of HVDC link along with their advantages and disadvantages.	5	Re	
4	Explain MTDC system with series and parallel connected converters	5	Un	
5	Write short notes on: i) Parallel MTDC system ii) Kinds of DC links	5	Re	
6	Discuss the advantages of higher pulse number HVDC converter. Draw the arrangements for twelve pulse bridge converter	5	Un	
7	What are the objectives of operating DC link in parallel with AC. Explain how these objectives are achieved.	5	Un	
UNIT-IV		Marks	Blooms Level	COn
1	Explain the combined CEA and CC control used in converter.	5	Un	CO-4
2	Draw and explain the complete characteristics of a converter. 7	5	Un	
3	A bridge connected rectifier operates with □ = 30°, □ = 15°. Determine necessary line secondary voltage of the rectifier transformer which is rated at 220 kv/110 kv, if it is required to obtain a dc output voltage of 100 kv. Also determine the tap-ratio required.	5	Ev	
4	Draw single line schematic diagram of AC harmonic filter in a typical HVDC substation. State the order of harmonics of filter branches & explain.	5	Cr	
5	Explain in short: i) Single frequency tuned filter. ii) Double frequency tuned filter.	5	Un	
6	Derive expression for reactive power requirement of HVDC converter. How these requirements are met.	5	Ev	

UNIT-V		Marks	Blooms Level	COn
1	Explain the overvoltage protection of HVDC system. Compare the protection philosophy of EHVAC and	5	Un	CO-5

	HVDC transmission			
2	Describe the functions of MRTB and its switching sequence.	5	Re	
3	Write a short notes on **any two.** i) Insulation co-ordination of HVDC system. ii) Fault clearing process of HVDC poles. iii) Surge protection of HVDC substation.	5	Un	
4	Explain HVDC substation protection schemes.	5	Un	
5	Describe the function of MRTB and its applications.	5	Re	
6	Write short notes on: i) Insulation coordination of HVDC system with its margin. ii) Fault clearing in HVDC system. iii) Surge Protection of HVDC substation	5	Re	

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GURU NANAK INSTITUTE
OF ENGINEERING & TECHNOLOGY
APPROVED BY AICTE, DTE & AFFILIATED TO RTM NAGPUR UNIVERSITY, NAGPUR
Dahegaon, Opp. IOC Petrol pump, Kalmeshwar Road, Nagpur-441501 Ph.: 07118-661400
Website : www.gniet.ac.in E-mail : gnietnagpur@gmail.com

Question Bank

2023-24

Branch	**Electrical Engineering**
Semester	**VIII**
Subject	Electrical Safety & Standards
Subject Code	BTCHEE801T

Department of Electrical Engineering

UNIT-I		Marks	Blooms Level	COn
1	List the various hazards of electricity?	5	Un	CO-1
2	Give a list of possible electrical accidents in Residential House.	5	Un	
3	What are the effect of electrical current on the human body?	5	Ap	
4	What is scope of subject "electrical safety" ?	5	Ev	
5	What are the fundamental of safety?	5	Un	
6	What do you understand by unsafe acts?	5	Un	
7	Give your views on any five case studies on electrical accidents in forms of following table. Sr. no | Case of electrical accidents | Causes/cause | Your view on preventive action	10	Un	
8	Explain how high voltage is more dangerous than high current?	5	Ap	
9	(a) What is the relationship between voltage and electric shocks current? (b)What is the significance of resistance of the skin?	10	Un	
10	(a) What causes shocks? (b) What special safety training do employees need? (c) Who is considered as qualified electrical worker?	10	Un	

UNIT-II		Marks	Blooms Level	Con
				CO-2

UNIT-III		Marks	Blooms Level	Con
				CO-3

UNIT-IV		Marks	Blooms Level	Con
				CO-4

UNIT-V		Marks	Blooms Level	Con
				CO-5

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NAAC ACCREDITED

Question Bank

2021-22

Branch	**Eletrical Engineering**
Semester	**IV rd Sem**
Subject	**EMF**
Subject Code	**BTCHEE405T**

Department of Electrical Engineering

	UNIT-I	Marks	Blooms Level	COn
1	Given two vectors $\vec{r}_A = -\hat{a}_x - 3\hat{a}_y - 4\hat{a}_z$, $\vec{r}_B = 2\hat{a}_x + 2\hat{a}_y + 2\hat{a}_z$ and point C(1,3,4). Find (a) $\vec{R}_{AB}$, (b) $\left\vert\vec{r}_A\right\vert$, (c) $\hat{a}_A$, (d) $\hat{a}_{AB}$, (e) a unit vector directed from point C to point A.	07	UN	CO-1
2	Given point A(2,3,−1) and B(4,25°,120°). Find (a) The spherical co-ordinates of A, (b) The Cartesian co-ordinates of B, (c) The distance from A to B.	07	UN	
3	Given points M(5,20^0,120^0)& N(2,80^0,30^0) a)Find distance from M to N b)Find unit vector in spherical co-ordinate system at M directed towards N	07	UN	
4	Given points P (X=2, Y=3, Z=4) & Q (X=3, Y=7, Z=(-2)) a)Unit vector in spherical co-ordinates at P directed towards Q. b) Unit vector in cylindrical co-ordinates at P directed towards Q.	07	UN	
5	Explain what do you mean by scalar fields and vector fields. Give examples of each.	07	UN	
6	Express the temperature field T= 240+z^2-3xy	07	UN	
7	Given points A(x=2,y=3,z= -1) B(ɵ=4, ϕ=50°,z=2)Find distance from 1)A to the origin 2)B to the origin 3)A to B	07	UN	
8	Transfer each of the following into cylindrical co-ordinates at the points indicated. A) 5âx at (4,120°,2) B) 5âx at (3,4, -1) C) 4âx-2ây-4âz at(2,3,5)	07	UN	
9	Given three points A(2, -1,2) B(-1,1,4) C(4,3,-1) Find A)The angle between R̄AB &R̄AC B)The area of triangle ABC C) A unit vector perpendicular to ABC	07	UN	
10	In the cartesian co-ordinate of vector H̄= 20âϱ-10âϕ=3Âz at point (5,2, -1)	07	UN	
	UNIT-II	Marks	Blooms Level	COn
11	State & explain Coulombs law	07	AN	CO-2
12	Derive an expression for the intensity of an electric field at any general point due to infinitely long uniform line charge.	07	AN	

13	Stste divergene theorem. Give physical significance of divergence.	07	AN	
14	Four infinite sheets of charge are located as $20\,pc/m^2$ at $y=7$, $-8\,pc/m^2$ at $y=3$ $6\ pc/m^2$ at $y=-1$, and $-18\ pc/m^2$ at $y=-4$ Find $\vec{E}$ at i) (2, 6, 4) ii) (0, 0, 0) iii) (–1, -1.1, 5) iv) $(10^6, 10^6, 10^6)$	07	UN	
15	Calculate electric field intensity at A(2,3,2) in 3 space caused by a charge Q1=7nc pt(2,4,2) & other charge Q2=3nc at pt(2,0,2)	07	UN	
16	A charge of 5ưc is located at M (2.5, -3, 1.5) & second charge at N (-1,8,1.2) of charge -3ưc. Find $\bar{E}$ at 1) origin 2) c(1.5,2,5)	07	UN	
17	A infinitely long uniform line charge is located at Y=3, Z=5. If ϱl= 30nc/m. Find $\bar{E}$ at a) at origin b)at (5,6,1)	07	UN	
18	What is the electric field intensity due to uniform ring of charge at a point on its axis.	07	AN	
19	EXPLAIN the concept of flux density.	07	AN	
20	State the following 1)Electric flux 2)Electric field intensity 3)Electric flux density 4)Guass law.	07	AN	
UNIT-III		Marks	Blooms Level	Con
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

				Co-3
UNIT-IV		Marks	Blooms Level	Con
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				CO-4
UNIT-V		Marks	Blooms Level	COn
41				
42				
43				
44				
45				
46				
47				CO-5
48				
49				
50				

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

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road,Nagpur

(NAAC Accredited)

Department of Electrical Engineering

Session 2022-23 odd

Date: 9/1/2023

NOTICE

All the students of 3 sem are hereby informed that their PUT Exam and Internal practical exam will be starting from 23/1/2023. Attendance is mandatory.

Prof. Rajendra Bhombe

HOD,EE, & Vice-Principal GNIET

Copy to

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

J NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY, NAGPUR

EPARTMENT OF ELECTRICAL ENGINEERING

Session 2022-23(ODD)

PUT Time Table

PUT and Internal Practical Exam

Date:10 /01/2023

Day	Date	Time	III SEM
Mon	23/01/2023	10.00am-1.00pm	Electrical Measurement & Instrumentation(**Theory exam**)
		1.30 pm -3.30pm	Electrical Measurement & Instrumentation(**Practical exam**)
Wed	25/01/2023	10.00am-1.00pm	Network Analysis(**Theory exam**)
		1.30 pm -3.30pm	Network Analysis(**Practical exam**)
Fri	27/01/2023	10.00am-1.00pm	Electrical Engineering Mathematics
		1.30 pm -3.30pm	Renewable Energy Studies
Mon	30/01/2023	10.00am-1.00pm	Analog Devices and circuits(**Theory exam**)
		1.30 pm -3.30pm	Analog Devices and circuits(**Practical exam**)
Wed	01/02/2023	10.00am-1.00pm	Introduction to Python Programming(**Theory exam**)
		1.30 pm -3.30pm	Introduction to Python Programming(**Practical exam**)
Fri	03/02/2023	10.00am-1.00pm	Environmental Studies

Note :

- **It is compulsory for all the students to appear for the exam.**
- **The question paper of each subject will be of descriptive pattern**
- **Total number of questions:10(From 5units), Maximum marks: 70,Time:3Hr**
- **Fees balance, if any, to be cleared.**

of. Diksha Khare
m In-charge

Prof.Neha Chourasia
Associate Dean

Prof. Rajendra Bhombe
Head of Department & Vice-Principal

Dr.Hemant Hajare
Principal

Time table 3rd sem 2nd

GURUNANAK INSTITUTE OF ENGINEERING & TECHNOLOGY, NAGPUR

DEPARTMENT OF ELECTRICAL ENGINEERING

TIME-TABLE

Session 2022-23(EVEN)

W.E.F: 16/01/2023

n Lecture Hall No:- 208

	1	2	3	4	5	6	7	8
	9.45 am to 10.45 am	10.45 am to 11.45 am	11.45 am to 12.45 pm	12.45 pm to 01.30 pm	1.30 pm to 2.30 pm	2.30 pm to 3.30 pm	3.30 pm to 4.30 pm	4.30 pm to 5.30 pm
	EHVAC & DC (Elective- II)	SGP	EDS (Elective- III)	Lunch/ Problem Solving / Internet/ Library/ Sports/ Hobby Club	CAPS	SPORTS	CAPS (B1)/ SGP (B2)/ Library (B3)	
	CAPS	SGP	EDS (Elective- III)		Forum & curricular activities	Project		
	EHVAC &DC (Elective- II)	CAPS	SGP		Project		CAPS(B2)/ SGP (B3)/ library (B1)	
	EHVAC &DC (Elective- II)	CAPS	SGP		EDS (T) (Elective- III)	Project		
	EDS (Elective -III)	CAPS (T)	EHVAC & DC(T) (Elective- II)		SPORTS	SGP	CAPS(B3)/ SGP (B1)/ library (B2)	

- Roll.No. 1- 20 , Batch B2- Roll.No. 21- 40, Batch B3- Roll.No. 41 onwards

-Tutorial
-Activity

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Session 2022-23

RE UNIVERSITY TEST – 2023

B.E. (Electrical Engineering)

t: Renewable Energy Studies
er: III (CBCS)
um Marks: 70

Subject Code: BEEE305T
Date: 27/01/2023
Time: 2 Hrs.

1) All questions carry marks as indicated.

2) Solve Question 1 OR Questions No. 2.

3) Solve Question 3 OR Questions No. 4.

4) Solve Question 5 OR Questions No. 6.

5) Solve Question 7 OR Questions No. 8.

6) Solve Question 9 OR Questions No. 10.

7) Assume suitable data whenever necessary.
8) Illustrate your answers whenever necessary with the help of neat sketches.
9) Use of non programmable calculator is permitted.

a) Explain selective coating used in solar collector 7
b) Explain need of energy storage and explain the types of it 7

(OR)

a) Explain the following terms with respect to solar power plant
(i) Solar constant (ii) Solar incident angle 7
b) Explain flat plate collector and give advantages and disadvantages 7

a) What is solar cooking? How it function? Explain its advantages and applications. 7
b) With the help of neat sketch, describe a solar water heating system using flat plate collector 7

(OR)

a) Write short note on
(i) Central receiver solar thermal plant (ii) Working of a solar distillation tower 7
b) Describe the main consideration in selecting a site for wind generator 7

a) What are the different components of a Tidal Power Plant? Explain its working. 7
b) What is the basic principle of wind energy conversion? Explain applications of wind energy 7

(OR)

a) Explain in detail the basic principle of OTEC. Describe closed cycle of OTEC system. 7
b) What are the techniques suggested for maintaining the biogas production? Explain it. 7

a) Derive the equation for power generated by wind turbine.
b) Calculate the number of day light hours in Srinagar on January 1 and July 1. The latitude of 7

Srinagar is 35^0N.

(OR)

Q.8 a) How does biomass conversion take place? State the difference between bio
b) What is the difference between power from waves and power from tides?

Q.9 a) Describe the basic principle of operation of a MHD generation. Explain its
b) Write short note on a small scale hydroelectric power generation.

(OR)

Q.10 a) Write short note on
(i) Geothermal Energy Sources (ii) Biomass conversion technique
b) How WHC system classified? Discuss in details

JRU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Session 2022-23

PRE UNIVERSITY TEST – 2023

B.E. (Electrical Engineering)

Renewable Energy Studies
: III (CBCS)
n Marks: 70

Subject Code: BEEE305T
Date: 27/01/2023
Time: 2 Hrs.

All questions carry marks as indicated.

Solve Question 1 OR Questions No. 2.

Solve Question 3 OR Questions No. 4.

Solve Question 5 OR Questions No. 6.

Solve Question 7 OR Questions No. 8.

Solve Question 9 OR Questions No. 10.

Assume suitable data whenever necessary.
Illustrate your answers whenever necessary with the help of neat sketches.
Use of non programmable calculator is permitted.

Explain selective coating used in solar collector	7
Explain need of energy storage and explain the types of it	7
(OR)	
Explain the following terms with respect to solar power plant	
) Solar constant (ii) Solar incident angle	7
Explain flat plate collector and give advantages and disadvantages	7
What is solar cooking? How it function? Explain its advantages and applications.	7
With the help of neat sketch, describe a solar water heating system using flat plate collector	7
(OR)	
Write short note on	
) Central receiver solar thermal plant (ii) Working of a solar distillation tower	7
Describe the main consideration in selecting a site for wind generator	7
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What is the basic principle of wind energy conversion? Explain applications of wind energy	7
(OR)	
Explain in detail the basic principle of OTEC. Describe closed cycle of OTEC system.	7
What are the techniques suggested for maintaining the biogas production? Explain it.	7
Derive the equation for power generated by wind turbine.	7
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b) Write short note on a small scale hydroelectric power generation.

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(i) Geothermal Energy Sources (ii) Biomass conversion technique

b) How WHC system classified? Discuss in details

GURU NANAK INSTITUTE OF ENGINEERIN &TECHNOLOGY

Session 2022-23

PRE UNIVERSITY TEST - 2022

B.E. (Electrical Engineering)

lectrical Engineering Mathematics(M-III) **Subject Code:**
3rd (CBCS) **Date 27/01/2023**
Marks: 70 **Time: Three Hrs.**

All questions carry marks as indicated.
Solve Question 1 OR Questions No. 2.
Solve Question 3 OR Questions No. 4.
Solve Question 5 OR Questions No. 6.
Solve Question 7 OR Questions No. 8.
Solve Question 9 OR Questions No. 10.
Solve Question 11 OR Questions No. 12.
Assume suitable data whenever necessary.
Illustrate your answers whenever necessary with the help of neat sketches.
)) Use of non programmable calculator is permitted.

) Solve p - q = log(x+y). (7)

) Solve $\frac{\partial^3 z}{\partial x^3} - 3\frac{\partial^3 z}{\partial x\ \partial^2 y} + \frac{\partial^3 z}{\partial y^3} = (x+2y)^{\frac{1}{2}}$ (7)

(OR)

) Solve the equation $\frac{\partial u}{\partial x} = 2\frac{\partial y}{\partial t} + u, given that u(x,0) = 6e^{-3x}$ **by method of aration of variables.** (7)

) Solve the following equation by Runge-Kutta fourth order method. (7)
$= \frac{y-x}{y+x}$, y(0)=1 , find y(0.2) by taking h=0.2.

) If u = $e^x(x\cos y - y\sin y), show that u is harmonic function.$ **find v such that f(z) = u+iv an analytic function.** (7)

) Evaluate $\oint \frac{4-3z}{z(z-1)(z-2)} dz$ **, where C is a circle** $|z| = \frac{3}{2}$.

(7)

OR)

) Find the Laurent's series expantion of the function f(z) = $\frac{1}{(z-1)(z-2)}$ **in the region (1) 1<** $|z| < 2$ **(2)** $0 < |z-1| < 1$ **, (3)** $|z| > 2$.

(7)

b) Find the value of $\oint \frac{-2z}{z(z1)(z-2)}$ where C is a circle (i) $|z| = 2$, (ii) $|z+i| = \sqrt{3}$. (7)

Q.5 a) Find $L\{t^2 sin3t\}$. (7)

b) Evaluate $\int_0^\infty te^{-2t} costdt$. (7)

(OR)

Q.6 a) Find Fourier transform of $f(x) = \begin{cases} 1, |x| < 1 \\ 0, |x| > 1 \end{cases}$ hence find $\int_0^\infty \frac{sinx}{x} dx$. (7)

b) Find inverse Z- transform of $\frac{z^2+z}{(z-1)(z^2+1)}$ (7)

Q.7 a) Find the transfer function, $V_0(S)/V_I(S)$ for the circuit given in figure (7)

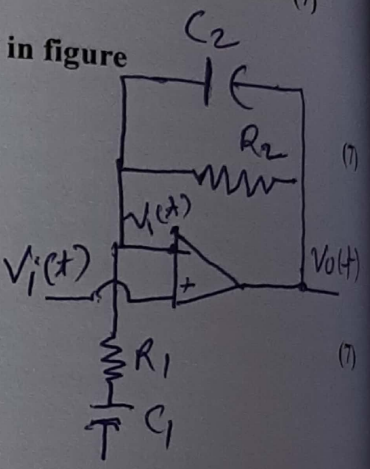
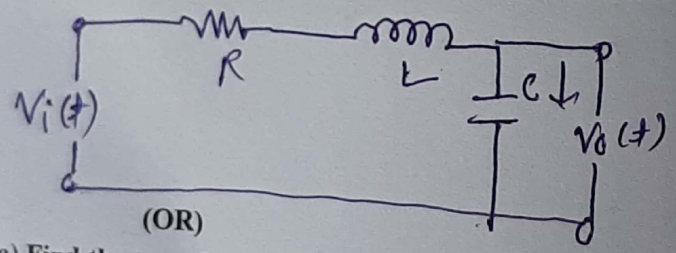


fig: Non-inverting operational amplifier circuit.

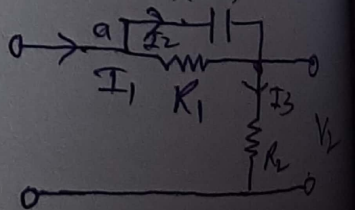
b) Find the transfer function of the following RLC circuit. (7)



(OR)

Q.8 a) Find the transfer function of the following function $G(S) = 50(s+3)/s(s+2)(s+4)^2$ (7)

b) Find the transfer function of the following circuit diagram.



Q.9 a) An urn holds 5 white and three black marbles .If 2 marbles are drawn at random without replacement and X denotes the no. of white marbles (i) Find the probability function and (ii) The distribution function (7)

b) Let X be the random variable giving the no. of heads in three tosses of fair coin find (i) E(X) (ii) Var (X) and (iii) σ_x (7)

(OR)

Q.10 a) The chances of solving a problem by three students A , B ,C independently are ½, 1/3 , ¼ respectively. What is the probability that problem will be solved. (7)

b) If 3% of the electric bulbs manufactured by company are defective, find the probability that in a sample of 100 bulbs (I) exactly 2 (ii) more than 5 (iii) between 1 and 3 (iv) at most two (v) at least 2 bulbs will be defective. (7)

GURU NANAK INSTITUTE OF ENGINEERIN &TECHNOLOGY

Session 2022-23

PRE UNIVERSITY TEST - 2022

B.E. (Electrical Engineering)

ct: Electrical Engineering Mathematics(M-III) **Subject Code:**
ster: 3rd (CBCS) **Date 27/01/2023**
mum Marks: 70 **Time: Three Hrs.**

s: 1) All questions carry marks as indicated.
2) Solve Question 1 OR Questions No. 2.
3) Solve Question 3 OR Questions No. 4.
4) Solve Question 5 OR Questions No. 6.
5) Solve Question 7 OR Questions No. 8.
6) Solve Question 9 OR Questions No. 10.
7) Solve Question 11 OR Questions No. 12.
8) Assume suitable data whenever necessary.
9) Illustrate your answers whenever necessary with the help of neat sketches.
10) Use of non programmable calculator is permitted.

.1 a) Solve p - q = log(x+y). (7)

b) Solve $\frac{\partial^3 z}{\partial x^3} - 3\frac{\partial^3 z}{\partial x\ \partial^2 y} + \frac{\partial^3 z}{\partial y^3} = (x+2y)^{\frac{1}{2}}$ (7)

(OR)

.2 a) Solve the equation $\frac{\partial u}{\partial x} = 2\frac{\partial y}{\partial t} + u, given that u(x,0) = 6e^{-3x}$ **by method of separation of variables.** (7)

b) Solve the following equation by Runge-Kutta fourth order method. (7)

$= \frac{y-x}{y+x}$, y(0)=1 , find y(0.2) by taking h=0.2.

.3 a) If u = $e^x(x\cos y - y\sin y), show that u is harmonic function.$ **find v such that f(z) = u+iv is an analytic function.** (7)

b) Evaluate $\oint \frac{4-3z}{z(z-1)(z-2)} dz$ **, where C is a circle** $|z| = \frac{3}{2}$. (7)

(OR)

.4 a) Find the Laurent's series expantion of the function f(z) = $\frac{1}{(z-1)(z-2)}$ **in the region (1)** $1 < |z| < 2$ **(2)** $0 < |z-1| < 1$ **, (3)** $|z| > 2$. (7)

b) Find the value of , $\oint \frac{-2z}{z(z1)(z-2)}$ where C is a circle (i) $|z| = 2$, (ii) $|z+i| = \sqrt{3}$. (7)

Q.5 a) Find $L\{t^2 sin3t\}$. (7)

b) Evaluate $\int_0^\infty te^{-2t} costdt$. (7)

(OR)

Q.6 a) Find Fourier transform of f(x) = $\begin{cases} 1, |x| < 1 \\ 0, |x| > 1 \end{cases}$ hence find $\int_0^\infty \frac{sinx}{x} dx$. (7)

b) Find inverse Z- transform of $\frac{z^2+z}{(z-1)(z^2+1)}$ (7)

Q.7 a) Find the transfer function, $V_0(S)/V_I(S)$ for the circuit given in figure (7)

fig: Non-inverting operational amplifier circuit.

b) Find the transfer function of the following RLC circuit. (7)

(OR)

Q.8 a) Find the transfer function of the following function $G(S) = 50(s+3)/s(s+2)(s+4)^2$ (7)

b) Find the transfer function of the following circuit diagram.

Q.9 a) An urn holds 5 white and three black marbles .If 2 marbles are drawn at random without replacement and X denotes the no. of white marbles (i) Find the probability function and (ii) The distribution function (7)

b) Let X be the random variable giving the no. of heads in three tosses of fair coin find (i) E(X) (ii) Var (X) and (iii) σ_x (7)

(OR)

Q.10 a) The chances of solving a problem by three students A , B ,C independently are ½, 1/3, ¼ respectively. What is the probability that problem will be solved. (7)

b) If 3% of the electric bulbs manufactured by company are defective, find the probability that in a sample of 100 bulbs (I) exactly 2 (ii) more than 5 (iii) between 1 and 3 (iv) at most two (v) at least 2 bulbs will be defective. (7)

U NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Session 2022-23

PRE UNIVERSITY TEST - 2022

B.E. (Electrical Engineering)

CTRICAL MEASUREMENT AND INSTRUMENTATION
SEM BTECH (CBCS) **Date: 23/1/2023**
Iarks: 70 **Time: Three Hrs.**

---

l questions carry marks as indicated.

scribe the constructional details of an attraction type moving iron instrument with the help of neat
am. **(7MARKS)**
inductance of attraction type instrument is given by L =10 + 5 Ø - Ø^2 H where Ø.is the deflection in
zero position. The spring constant is 12 X 10^(-6) N-m/rad. Find out deflection for a current of
)

(OR)

are analog instruments? Give its classification. **(7MARKS)**

)
in construction and working of PMMC instrument**(7MARKS)**

e the expression for unknown capacitance and its internal resistance when measured by Schering bridge.
liagram **(7MARKS)**

lain the sources and detectors used in ac bridges **(7MARKS)**

(OR)

s of bridges are as follows :

known impedance [R+L in series]

stor of 1000 ohms

stor of 833 ohms in series with a capacitor of 0.38 microfarade.

tor of 16800 ohm

requency 50 HZ then determine unknown inductance and resistance of the coil at balance condition.
iagram. **(7MARKS)**

the sources and detectors used in ac bridges. **(7MARKS)**

wattmeters connected to measure the input to a balanced 3 phase circuit indicate 2000W & 500W
nd the power factor of the circuit:

i) When both readings are positive.

ii) When the later reading is obtained after reversing the connections to the current coil of the first instrument.

(7MARKS)

b) Explain the principle of operation of an induction type energy meter. (7MARKS)

(OR)

Q.6 a) Define the following terms for an instrument transformer:

(i) Transformation ratio

(ii) Nominal Ratio

(iii) Turns ratio

(iv) Burdon (7MARKS)

b) . Define error. What are different types of erros in instrumentation system? Explain in detail & suggest the nedies for it. (7MARKS)

Q.7 a) Define transducer. Explain the classification of transducer in detail with example (7MARKS)

b) Explain static and dynamic characteristics of instruments (7MARKS)

(OR)

Q.8 a) . Explain with the help of block diagram a generalised instrumentation system (7 MARKS)

b Explain with block diagram digital data acquisition system (7 MARKS)

Q.9 a. Explain the construction & working of LVDT. (7MARKS)

b Explain different types of load cells. Explain strain gauge load cell (7MARKS)

(OR)

Q.10 a) What do you mean by seismic instruments? Describe with neat diagram (MARKS)

b) What is histogram ? Explain Gaussian curve of error in detail. Give two properties of Gaussian distribution. ARKS)

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road,Nagpur

(NAAC Accredited)

Department of Electrical Engineering

Session 2022-23 EVEN

Date: 17/04/2023

NOTICE

All the students of 6 sem and 8 sem are hereby informed that their **PUT Exam and internal practical exam** will be starting from 24/04/2023. Attendance is mandatory.

Prof. Rajendra Bhombe

Vice-Principal & HOD,EE, GNIET

Copy to

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

PUT and Internal Practical Exam

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY, NAGPUR

DEPARTMENT OF ELECTRICAL ENGINEERING

Session 2022-23(EVEN)

Time Table

PUT and Internal Practical Exam

Date: 17/04/2023

Day	Date	Time	VISEM	VIII SEM
Mon	24/04/2023	10.00am-1.00pm	Computer Applications In Power System **(Theory exam)**	Switchgear &Protection **(Theory exam)**
		1.30 pm -4.30pm	Switchgear &Protection **(Extra practical)**	Switchgear &Protection **(Extra practical)**
Tue	25/04/2023	10.00am-1.00pm	Switchgear &Protection **(Theory exam)**	Computer Applications In Power System **(Theory exam)**
		1.30 pm -4.30pm	Switchgear &Protection **(Practical exam)**	Switchgear &Protection **(Practical exam)**
Wed	26/04/2023	10.00am-1.00pm	Engineering Economics & Industrial Management **(Theory Exam)**	EHV AC & HVDC Transmission **(Theory exam)**
		1.30 pm -4.30pm	Computer Applications In Power System **(Extra practical)**	Computer Applications In Power System **(Extra practical)**
Thurs	27/04/2023	10.00am-1.00pm	Electrical Drives &Their Control **(Theory exam)**	Electrical Distribution System **(Theory exam)**
		1.30 pm -4.30pm	Computer Applications In Power System **(Practical exam)**	Computer Applications In Power System **(Practical exam)**
Fri	28/04/2023	10.00am-1.00pm	Open Elective-I Industrial Electronics**(Theory exam)**	------
Tue	02/05/2023	10.00am-4.30pm	**Mini Project Model Submission**	**Final Project Model and Thesis Submission**

Note :

- **It is compulsory for all the students to appear for the exam.**
- **The question paper of each subject will be of descriptive pattern**
- **Total number of questions:12(From 6 units), Maximum marks: 80,Time:3Hr for 8sem**
- **Total number of questions:10(From 5 units), Maximum marks: 70,Time:3Hr for 6sem**
- **Fees balance, if any, to be cleared.**
- **Bring Journals completed and signed by subject teacher before internal practical exams.**

Diksha Khare
m In-charge

Dr.Satishchandra Ragit
Associate Dean

Prof. Rajendra Bhombe
HOD & Vice Principal

Dr.Hemant Hajare
Principal

Year/Sem:3rd Year/VIth Sem
Time: - 01 Hours
Date:- 24/03/2023

Subject: Electrical Drive & Their Control
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 PLC ?	4
2.	Draw and Explain Structure of PLC	4
3.	What are the different type of logic used in PLC	4
4.	What are the advantages of PLC	4
5.	What are application of PLC	4
6.	State the requirements and mention the drives commonly used in following industrial/domestic application. i) Rolling mills ii) Electric propulsion in ships. iii) Pumps iv) Belt conveyors	4
7.	What is mean by Electrical Vehicle	4
8.	What are the different advantages of Electrical Vehicle	4

Control
Time: - 01 Hours
Date:- 24/03/2023

Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.
1) All Questions carry marks as indicated.
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1. What is PLC ? 4
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   i) Rolling mills ii) Electric propulsion in ships.
   iii) Pumps iv) Belt conveyors
7. What is mean by Electrical Vehicle 4
8. What are the different advantages of Electrical Vehicle 4

Sessional - II

Year/Sem: 3Yr /6 Sem
Time: - 01 Hours
Date:- 21/3/2023

Subject: Switch Gear & Protection
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 notes on over-current relay. **4**
2. Explain current setting and time setting. **4**
3. Distinguish between a unit protection and non unit protection. What are the various methods of protecting a transmission line by unit protection and by non-unit protection? **4**
4. In what way is distance protection superior to overcurrent protection for the protection of transmission lines? **4**
5. Explain impedance relay characteristic on the R-X diagram **4**
6. What are different types of distance relays? Compare their merits and demerits. Discuss their field of applications. **4**
7. Explain the following terms: pick up value, current setting, plug setting multiplier, time setting multiplier **4**
8. Write the distinct features of these characteristics with respect to an over-current relay. **4**
   i) Inverse definite minimum time.
   ii) Very inverse.
   iii) Extremely inverse.
   iv) Definite time.
   v) Inverse time over current relays.

Year/Sem: : 3 4Yr /6 Sem
Time: - 01 Hours
Date:- 21/3/2023

Subject: Switch Gear & Protection
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.

1) All Questions carry marks as indicated.
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Year/Sem: 6th sem Subject: Computer Application in Power system
Time: - 01 Hours Maximum Marks: - 20
Date:-

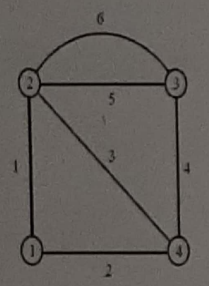
INSTRUCTIONS TO CANDIDATE.

1) All Questions carry marks as indicated.
2) If attempt 8marks que then attempt 3que for 4 marks each .
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. Show that 'T' is a Unitary Matrix **4**

2. The power system represented by single line diagram is shown below obtain. Y_{BUS} by algorithm **4**



Element No.	1	2	3	4	5	6
Reactance	0.4	0.3	0.3	0.4	0.5	0.2

3. Show that the impedance matrix for a three phase balanced stationary element can be diagonal zed using transformation matrix. **4**

4. For network shown in figure form Z_{BUS} by Algorithm method. **8**

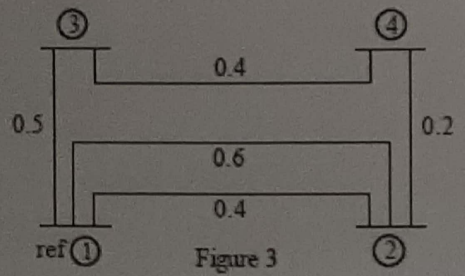


Figure 3

Time: - 01 Hours Maximum Marks: - 20
Date:-

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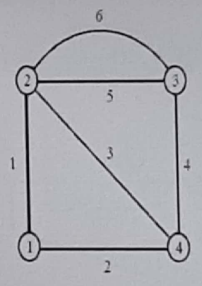

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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electrical.

Sessional - II

Year/Sem: III Yr/VI SEM — Subject: OE-I (Ind. Electronics)

Time: - 01 Hours — 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 smart Actuators?	4
2.	Explain with diagram of DC stepper motor.	4
3.	Explain solenoid valves in details.	4
4.	Explain the following terms: (any two) i) Electrical Heating Elements ii) Interlock Devices iii) Dosing Pumps.	4
5.	Explain the classification of Transducers.	4
6.	Explain the working of Transmitter.	4
7.	Explain level sensors.	4
8.	Draw the diagram of position sensors.	4

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electrical.

Sessional - II

Year/Sem: III Yr/VI SEM — Subject: OE-I (Ind. Electronics)

Time: - 01 Hours — Maximum Marks: - 20

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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501.

Department of Electrical Engineering

Sessional - II

ar/Sem: 6th — Subject: Engg Economics & Industrial Management

ne: - 01 Hours — Maximum Marks: - 20

te:- 23/03/2023

— INSTRUCTIONS TO CANDIDATE.

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

1.	Explain any seven principles of management necessary for efficient administration.	4
2.	Describe the sequential steps involved in decision making in industry.	4
3.	State the advantages of planning in industry.	4
4.	Why there is a need of coordination in Industry? Explain its types.	4
5.	State various pricing strategies in marketing.	4
6.	Highlight the distribution channels used in marketing.	4
7.	State the elements of marketing mix in modern marketing.	4
8.	State the vital function of central Bank of India.	4

Sessional - II

Year/Sem: 4Yr /8 Sem
Time: - 01 Hours
Date:- 20/3/2023

Subject: Switch Gear & Protection
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. Distinguish between a unit protection and non unit protection. What are the various methods of protecting a transmission line by unit protection and by non-unit protection? 4
2. In what way is distance protection superior to overcurrent protection for the protection of transmission lines? 4
3. Explain impedance relay characteristic on the R-X diagram 4
4. What are different types of distance relays? Compare their merits and demerits. Discuss their field of applications. 4
5. Explain the principle of following distance characteristic with the help of R-X diagram. 4
6. What is a circuit breaker? Describe its operating principle 4
7. Write a short note on the rate of rise of restriking voltage indicating its importance in the arc extinction. 4
8. Explain the principle of puffer type SF_6 circuit breaker. 4

Department of Electrical Engineering
Sessional - II

Year/Sem: : 4Yr /8 Sem
Time: - 01 Hours
Date:- 20/3/2023

Subject: Switch Gear & Protection
Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.
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Year/Sem: 8th sem Subject: EHV AC HVDC Tranasmission
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. State the merits of HVDC as compared to EHV AC for 4
   1.Long length high power lines.
   2.Interconnection.
2. What are the various kind of dc link? Explain briefly with applications. 4
3. State the factors to be consisderd in selecting a site of earth electrode. 4
4. What are the troubles caused by Earth current?Also state the Remedial measures. 4
5. What is earth electrode? Why does it need special attention 4
6. Explain the configuration of parallel mesh type MT HVDC system 4
7. Explain configuration of series MT HVDC system 4
8. Draw single line diagram of HVDC substation and write the function of each component. 4

Sessional - 2

Year/Sem: 8th sem Subject: EHV AV HVDC Transmission
Time: - 01 Hours Maximum Marks: - 20
Date:-

INSTRUCTIONS TO CANDIDATE.
1) All Questions carry marks as indicated.
2) Solve FIVE questions.
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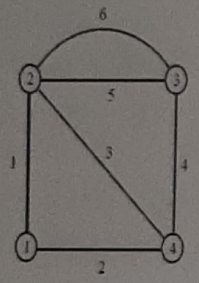
Year/Sem: 8th sem Subject: Computer Application in Power system
Time: - 01 Hours Maximum Marks: - 20
Date:-

INSTRUCTIONS TO CANDIDATE.
1) All Questions carry marks as indicated.
2) If attempt 8marks que then attempt 3que for 4 marks each .
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. Show that 'T' is a Unitary Matrix **4**

2. The power system represented by single line diagram is shown below obtain. Y_{BUS} by algorithm **4**



Element No.	1	2	3	4	5	6
Reactance	0.4	0.3	0.3	0.4	0.5	0.2

3. Show that the impedance matrix for a three phase balanced stationary element can be diagonal zed using transformation matrix. **4**

4. For network shown in figure form Z_{BUS} by Algorithm method. **8**

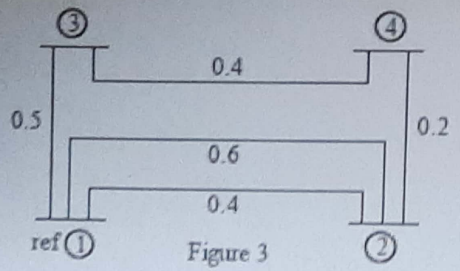


Figure 3

INSTRUCTIONS TO CANDIDATE.
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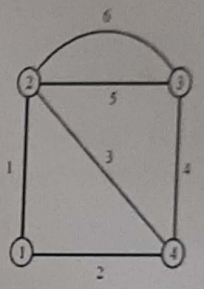

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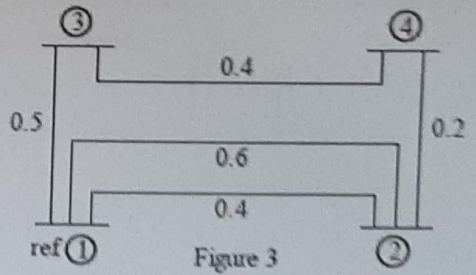

Figure 3

Year/Sem: 8th sem Subject: Electrical Distribution System
Time: - 01 Hours Maximum Marks: - 20
Date:- 23/03/2023

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 the different distribution systems for ac & dc? Give comparison **4**
2. What are the advantages for adopting 3 - phase - 4 - wire distribution for LT supplies and3 - phase - 3 -wire for high voltage distribution **4**
3. What are the power losses in AC distribution? How is it estimated approximately **4**
4. Briefly explain the line drop compensation and voltage control. **4**
5. Explain role of shunt and series capacitors in p.f. corrections. **4**
6. What are the different methods for voltage control? Briefly explain them **4**
7. What are the different locations for power factor improvement capacitors? Discuss their relative advantages and disadvantages. **4**
8. Explain ON – LOAD tap changer in detail **4**

Time: - 01 Hours
Date:- 23/03/2023 Maximum Marks: - 20

INSTRUCTIONS TO CANDIDATE.
1) All Questions carry marks as indicated.
2) Solve FIVE questions.
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5. Explain role of shunt and series capacitors in p.f. corrections. **4**
6. What are the different methods for voltage control? Briefly explain them **4**
7. What are the different locations for power factor improvement capacitors? Discuss their relative advantages and disadvantages. **4**
8. Explain ON – LOAD tap changer in detail **4**

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

SESSION 2022-23 (EVEN)

Semester: VI(SEC-A) SEMESTER (CBCS) (Regular) **Date: 16/03/2023**

Sessional (2) Attendance

Roll No.	Name of Student	CAPS 20/3	SYP 21/3	EEM	EDC	IE.
1	AMBIKA HARI NANWATKAR					
2	ASHIKA MAHADEO THAKARE					
3	DIVYA EKNATH ADE					
4	DNYANESHWARI PUNDLIK BORKUTE					
5	GAYATRI DNYANESHWAR BONSULE	@Bonsule	@Bonsule	@Bonsule	@Bonsule	@Bonsule
6	HRUTUJA RAJESH CHIKATE					
7	ISHA DIPAK DHUMAL					
8	KARISHMA KISHORRAO SATPUDKE					
9	KHUSHBU TEKESHWAR PARDHI					
10	LALITA RAMESH PATLE					
11	MANISHA BABARAO JUMLE					
12	NIKITA KHOKAN PAUL					
13	PALLAVI PRABHAKARRAO IMANE					
14	PRACHITA NANAJI MADEKAR		Prachita	Prachita	Prachita	Prachita
15	PRATIKSHA SHESHRAO KHEDKAR					
16	PRIYANSHI DHANIRAM SAHU	Priyanshi	Priyanshi	Priyanshi	Priyanshi	Priyanshi
17	PUNAM JIYALAL THAKRE					
18	SHRADDHA SUDHIR SOMKUWAR					
19	SHRUTI AJABRAO GUJWAR					
20	SNEHA MANOHAR WALKE					
21	SNEHA VIRENDRA PARBAT					
22	VAISHANAVI GANESH BISEN					
23	VISHAKHA MADAN DANDEKAR					
24	YOGINI CHANGDEO KHUBALKAR					
25	AAKIF SAAD SAMIULLAH KHAN					
26	ABHIJIT JANRAO IRPATI					
27	ABHISHEK RAJU BANSOD					
28	ADESH VINODRAO LUNGE					
29	ADITYA KAMLAKAR HEDAU					
30	AKASH DEVIDAS SAWANT					

CAPS 2023 IE

31	AKASH EKNATH RAUT	Akash	Akash	Akash	Akash	Akash
32	AKASH RAJESH TIWARI					
33	AKASH SURESH GIRGHUSE					
34	AKSHAY SUBHASH GANPHADE					
35	AMIT DHANRAJ MANWARE					
36	ANIKET RAJENDRA TAYWADE					
37	ARSHAD MD MISBHAUDDIN SHARIFF					
38	ASHISH ANIL SARODE					
39	AWAIS KHAN HAMEED KHAN					
40	BHARAT BABARAO INGOLE					
41	CHAITANYA SANJAY TEMBHARE					
42	CHETAN CHANDRABHAN NAGPURE	Chetan	Chetan	Chetan	Chetan	Chetan
43	CHETAN DILIP HEDAU					
44	CHETAN INDRAJIT JENEKAR					
45	DARSHAN RAMESH PETKULE					
46	DHAWAL RAMPRAKASH DHENGE					
47	DHIRAJ MOHAN MOTHANKAR					
48	DIPAK RATNAKAR BANKAR	Rony	Rony	Rony		
49	DIPAKKUMAR BALKRUSHNA KATRE					
50	GANESH VENKANNA PENDYALA					
51	GAURAV JEEVANRAO JICHKAR					
52	GOYAL SATISH KALE					
53	HITESH KHUSHAL SANESHWAR					
54	HITESH YOGENDRA MANDPE					
55	JAVED AKHTAR MOHD SADIQUE SHAIKH					

Prof. Akshay Pilewan

Class Teacher

Prof. Rajendra Bhombe

Head of Department

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

SESSION 2022-23 (EVEN)

Semester: VI(SEC-B) SEMESTER (CBCS) (Regular) **Date: 16/03/2023**

Attendance Sessional I

Roll No.	Name of Student	CAPS 20/03	SGP 21/3			
56	JIGNESH INDRESH PRAJAPATI					
57	JITENDRA VINOD NEMADE					
58	JIWAN SANTOSH DUKARE					
59	KHIZAR KHAN ASHFAQUE AHMED KHAN					
60	KIRAN SURESH KAPGATE					
61	MANISH RAJKUMAR LANDGE					
62	MUKESH MANOHAR KELWADKAR					
63	NIKESH TATWARAJ KHOBRAGADE					
64	PANKAJ RAMESH GUJWAR					
65	PRAFULLA GAJANAN RODE					
66	PRASAD MOHAN BHUTADA					
67	PRATIK SHIVAJI WANKHEDE					
68	RAHUL KHUSHAL MOHURLE					
69	ROHIT ASHOK VAIDYA					
70	ROHIT RAMBHAU RAJUKE					
71	SAGAR RAJESH HIVRALE					
72	SAGAR SUBHASH CHANDURKAR					
73	SAHIL DHARMENDRA JAWADE					
74	SAHIL PRAMOD UKEY					
75	SAJIL ASHOK RAMBHADE					
76	SANKET PRAKASHRAO KANEKAR					
77	SHAILESH PURUSHOTTAM KOLTE					
78	SHAMSH ALTAMASH MOHD. ALEEM BILEKUDRI					
79	SHASHWAT BABARAO DAMBHARE					
80	SHEKHAR DIGAMBAR KAWALE					
81	SHUBHAM NARAYAN DAMBHAR					
82	SHUBHAM SHESHRAO HUKUM					
83	SHUBHAM SHYAM ROKADE					
84	SHUBHAM TUSHAR TAYADE					Shortage
85	SHUBHM GAJANAN KALE					
86	SIDDHANT SANTOSH SEVAIWAR					
87	SNEHAL LACHANNA GADE					
88	SOURABH RAJU KOKEWAR					
89	SUMIT CHARANDAS KANEKAR					
90	SUMIT JAYKUMAR PAIKRAO					
91	SUMIT NATTHULAL BASIWAR					
92	SURAJ NAGSEN LOHALE					
93	SURAJ PRAKASH BHAWARE					
94	TAUSEEF RAZA HAYAT KHAN					
95	TUSHAR DILIP RATHOD					
96	UJWAL VIJAY BHAISARE					
97	UTKARSH VINAYAK TURANKAR					
98	VAIBHAV VILAS BHAKARE					
99	VASANT SHRINIWAS NADIGOTA					

CMPS 20/3

100	VEDANT GOPALRAO BOKEY					
101	VEDANT KRUSHNA SATPUTE					
102	VIJAY BALIRAM GAIKWAD					
103	VIKAS DNYANESHWAR KALAMBE					
104	VINAYAK MAHARUDRA SWAMI					
105	VISHNU GAUTAM LATHAKAR					
106	VIVEK ASHOKRAO ZADE					
107	VRUSHABH SURESH SHENDE					
108	YASH VINOD PENDAM					
109	VISHAL RAMBHAU KUMBHARE					

Prof. Akshay Pilewan
Class Teacher

Prof. Rajendra Bhombe
Head of Department

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Session 2022-2023 (EVEN)

Department of Electrical Engineering

Sessional -2 Marksheet

Examination: VIII SEMESTER (CBS) (Regular) Date: - 16/03/2023

Roll No	Student Name	SGP 20/03/2023	EHVAC 21/03/2023	EDS 23/03/2023	CAPS 24/03/2023
1	Achal Rupchand Wadbudhe				
2	Arti Dinesh Khambalkar				
3	Bhavika Nilkanth Shende				
4	Ojasvi Sanjay Burande				
5	Pallavi Deorao Ghonge				
6	Pooja Diliprao Shende				
7	Punam Chandrabhan Mahure				
8	Rakhibai Keshorao Patle				
9	Sadhana Sovindas Bisen				
10	Shreya Sangam Kapse				
11	Shweta Bapurao Randkhe				
12	Shweta Kiranrao Ghatole				
13	Sushma Rajendra Mendhe				
14	Vaishnavi Raju Madankar	10	12		11
15	Vandana Shobharam Mohankar				
16	Yogita Tejram Uikey				
17	Ajinkya Jankidas Mate				
18	Akhil Hiralal Chhanikar				
19	Ankit Upasrao Kawadkar				
20	Arjun Sheshrao Deshmukh	07	6 1/2		08
21	Badal Somaji Rangari				
22	Bhagwat Dinesh Devsarkar				
23	Bhushan Vishnu Murodiye				
24	Chetan Wasudeo Ambagade				
25	Deepak Chamanlal Pache				
26	Dhammanand Prabhudas Mohod				
27	Gajanan Santosh Gahule				
28	Ganesh Ramrao Bhandarwad				
29	Gaurav Sheshrao Dakhare		04		
30	Gaurav Sudhir Madekar				
31	Harshal Pandurang Jaiwar				
32	Jitesh Kashinath Gharpure				
33	Kirtesh Prabhakar Satpute				
34	Mahesh Dilip Musale	05	04		
35	Mahesh Raju Verma				
36	Mayur Rajendra Bhakte				
37	Milind Kuldeep Gadling	06	12		08
38	Nikhil Madhukar Bhalerao				
39	Niraj Shripad Nile				
40	Prasad Shridhar Tembhurnikar				
41	Pritam Sanjayrao Chaple				
42	Rajat Madhukar Kuthe				

Roll No	Student Name	SGP 20/03/2023	EHVAC 21/03/2023	EDS 23/03/2023	CAPS 24/03/2023
43	Ravindra Vinayak Hole				
44	Rugved Shivshankar Tembhare				
45	Sanket Pravin Gund				
46	Sarvan Narayan Gour	05	8 1/2		12
47	Satish Arvind Dudhe				
48	Saurabh Gopal Khujnare				
49	Shubham Madhavrao Rajepwad				
50	Shubham Ramchandra Mathurkar				05
51	Sumit Wasudeo Bhoyar				
52	Suraj Vijayrao Lekurwale				
53	Vaibhav Dhaondu Mamtkar				
54	Vilas Dhuplal Mahure				
55	Vivek Surajlal Sahare				
56	Waqar Ahmad Mumtaz Nazeer Ali				

Prof. Diksha Khare
Class Teacher

Prof. Rajendra Bhombe
Head of Department

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

SESSION 2022-23 (EVEN)

Semester: VI(SEC-A) SEMESTER (CBCS) (Regular)

Date: 16/03/2023

Sessional 2 Marksheet

Roll No.	Name of Student	SAP	EFM	EDC	IE	CAPS
1	AMBIKA HARI NANWATKAR					
2	ASHIKA MAHADEO THAKARE					
3	DIVYA EKNATH ADE					
4	DNYANESHWARI PUNDLIK BORKUTE					
5	GAYATRI DNYANESHWAR BONSULE	10			07	02
6	HRUTUJA RAJESH CHIKATE					
7	ISHA DIPAK DHUMAL					
8	KARISHMA KISHORRAO SATPUDKE					
9	KHUSHBU TEKESHWAR PARDHI					
10	LALITA RAMESH PATLE					
11	MANISHA BABARAO JUMLE					
12	NIKITA KHOKAN PAUL					
13	PALLAVI PRABHAKARRAO IMANE					
14	PRACHITA NANAJI MADEKAR	09			07	
15	PRATIKSHA SHESHRAO KHEDKAR					
16	PRIYANSHI DHANIRAM SAHU	11			14	03
17	PUNAM JIYALAL THAKRE					
18	SHRADDHA SUDHIR SOMKUWAR					
19	SHRUTI AJABRAO GUJWAR					
20	SNEHA MANOHAR WALKE					
21	SNEHA VIRENDRA PARBAT					
22	VAISHANAVI GANESH BISEN					
23	VISHAKHA MADAN DANDEKAR					
24	YOGINI CHANGDEO KHUBALKAR					
25	AAKIF SAAD SAMIULLAH KHAN					
26	ABHIJIT JANRAO IRPATI					
27	ABHISHEK RAJU BANSOD					
28	ADESH VINODRAO LUNGE					
29	ADITYA KAMLAKAR HEDAU					
30	AKASH DEVIDAS SAWANT					

		SEP			IE	CAPS
31	AKASH EKNATH RAUT	06			10	03
32	AKASH RAJESH TIWARI					
33	AKASH SURESH GIRGHUSE					
34	AKSHAY SUBHASH GANPHADE					
35	AMIT DHANRAJ MANWARE					
36	ANIKET RAJENDRA TAYWADE					
37	ARSHAD MD MISBHAUDDIN SHARIFF					
38	ASHISH ANIL SARODE					
39	AWAIS KHAN HAMEED KHAN					
40	BHARAT BABARAO INGOLE					
41	CHAITANYA SANJAY TEMBHARE					
42	CHETAN CHANDRABHAN NAGPURE	06			10	00
43	CHETAN DILIP HEDAU					
44	CHETAN INDRAJIT JENEKAR					
45	DARSHAN RAMESH PETKULE					
46	DHAWAL RAMPRAKASH DHENGE					
47	DHIRAJ MOHAN MOTHANKAR					
48	DIPAK RATNAKAR BANKAR					00
49	DIPAKKUMAR BALKRUSHNA KATRE					
50	GANESH VENKANNA PENDYALA					
51	GAURAV JEEVANRAO JICHKAR					
52	GOYAL SATISH KALE					
53	HITESH KHUSHAL SANESHWAR					
54	HITESH YOGENDRA MANDPE					
55	JAVED AKHTAR MOHD SADIQUE SHAIKH					

Prof. Akshay Pilewan

Class Teacher

Prof. Rajendra Bhombe

Head of Department

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

SESSION 2022-23 (EVEN)

Semester: VI(SEC-B) SEMESTER (CBCS) (Regular)

Date: 16/03/2023

Marksheet Sessional 2

Roll No.	Name of Student	SM			IE	CAPS
56	JIGNESH INDRESH PRAJAPATI					
57	JITENDRA VINOD NEMADE					
58	JIWAN SANTOSH DUKARE					
59	KHIZAR KHAN ASHFAQUE AHMED KHAN					
60	KIRAN SURESH KAPGATE					
61	MANISH RAJKUMAR LANDGE					
62	MUKESH MANOHAR KELWADKAR					
63	NIKESH TATWARAJ KHOBRAGADE					
64	PANKAJ RAMESH GUJWAR					
65	PRAFULLA GAJANAN RODE					
66	PRASAD MOHAN BHUTADA					
67	PRATIK SHIVAJI WANKHEDE					
68	RAHUL KHUSHAL MOHURLE					
69	ROHIT ASHOK VAIDYA					
70	ROHIT RAMBHAU RAJUKE					
71	SAGAR RAJESH HIVRALE					
72	SAGAR SUBHASH CHANDURKAR					
73	SAHIL DHARMENDRA JAWADE					
74	SAHIL PRAMOD UKEY					
75	SAJIL ASHOK RAMBHADE					
76	SANKET PRAKASHRAO KANEKAR					
77	SHAILESH PURUSHOTTAM KOLTE					
78	SHAMSH ALTAMASH MOHD. ALEEM BILEKUDRI					
79	SHASHWAT BABARAO DAMBHARE					
80	SHEKHAR DIGAMBAR KAWALE					
81	SHUBHAM NARAYAN DAMBHAR					
82	SHUBHAM SHESHRAO HUKUM					
83	SHUBHAM SHYAM ROKADE					
84	SHUBHAM TUSHAR TAYADE					
85	SHUBHM GAJANAN KALE				09	
86	SIDDHANT SANTOSH SEVAIWAR					
87	SNEHAL LACHANNA GADE					
88	SOURABH RAJU KOKEWAR					
89	SUMIT CHARANDAS KANEKAR					
90	SUMIT JAYKUMAR PAIKRAO					
91	SUMIT NATTHULAL BASIWAR					
92	SURAJ NAGSEN LOHALE					
93	SURAJ PRAKASH BHAWARE					
94	TAUSEEF RAZA HAYAT KHAN					
95	TUSHAR DILIP RATHOD					
96	UJWAL VIJAY BHAISARE					
97	UTKARSH VINAYAK TURANKAR					
98	VAIBHAV VILAS BHAKARE					
99	VASANT SHRINIWAS NADIGOTA					

SGP CARS

100	VEDANT GOPALRAO BOKEY					
101	VEDANT KRUSHNA SATPUTE					
102	VIJAY BALIRAM GAIKWAD					
103	VIKAS DNYANESHWAR KALAMBE					
104	VINAYAK MAHARUDRA SWAMI					
105	VISHNU GAUTAM LATHAKAR					
106	VIVEK ASHOKRAO ZADE					
107	VRUSHABH SURESH SHENDE					
108	YASH VINOD PENDAM					
109	VISHAL RAMBHAU KUMBHARE					

Prof. Akshay Pilewan
Class Teacher

Prof. Rajendra Bhombe
Head of Department

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR
DEPARTMENT OF ELECTRICAL ENGINEERING
Session 2022-23(EVEN)

SESSIONAL 2 EXAM

Time Table

Date: 15/03/2023

...y	Date	Time	VI	VIII
...n	20/03/2023	10.00am-11.00am	Computer Applications In Power System	Switchgear &Protection
	21/03/2023	10.00am-11.00am	Switchgear & Protection	EHV AC & HVDC Transmission
	23/03/2023	10.00am-11.00am	Engineering Economics & Industrial Management	Electrical Distribution System
	24/03/2023	10.00am-11.00am	Electrical Drives &Their Control	Computer Applications In Power System
...n	27/03/2023	10.00am-11.00am	Open Elective-I	-----

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

S.S.Ragit

...Khare
...arge

Dr.Satishchandra Ragit
Associate Dean Academics

Prof. Rajendra Bhombe
Head of Department & Vice-Principal

Dr.Hemant Hajare
Principal

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road,Nagpur

(NAAC Accredited)

Department of Electrical Engineering

Session 2022-23 Even

Date: 15/03/2023

NOTICE

All the students of 6 sem and 8 sem are hereby informed that their Sessional II Exam will be ing from 20/03/2023.Attendance is mandatory.

Prof. Rajendra Bhombe

HOD,EE,GNIET

/ to

) Principal,GNIET

) Associate Dean

) Faculty members

URU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur Pin-441501

Department of Electrical Engineering

Session 2022-23 (Odd)

Internal Practical Marksheet Signature Afterdance sheet

Section A

ll No.	Student Name	EMI (25)	NA (25)	ADC (25)	IPP (25)
1	RAIKOHAD SAHIL DHANRAJ				
2	NAGARIKAR SAGAR DINESH				
3	LANDGE SHRIKANT NAMDEO				
4	SANGOLKAR PRANAY SUMED				
5	DEVHARE SHIVSAGAR RAJHANS				
6	GOTEFODE LOKESH WASUDEO				
7	SINGPURE NATASHA PREMKISHOR				
8	PIMPALKAR PALLAVI BABAN				
9	DHUMNE UJWALA GIRIDHAR				
10	DONGRE SANKET RAJABHAU				
11	KSHIRSAGAR CHETAN ATUL				
12	BUTE CHETANA RAJUJI				
13	GAWAR NIRANJANSING SANJAYSING				
14	VARMA RAKESH DEVNATH				
15	VAISHNAVI BODHE				
16	MANMODE LUCKY SUNIL				
17	BELE SAGARIKA VIJAY				
18	KAHATE ROHIT MUKESH				
19	TALEKAR RITESH ASARAM				
20	KOKODE MAHENDRA USHTUJI				
21	RAUT DNYANESHWAR SANJAY				
22	KHANDGIRE NIKHIL SANJIV				
23	HINGWE TEJAS YUVRAJ				
24	SHEIKH RAHIL SALIM				
25	LILHARE KRISHNAKUMAR RUPCHAND				
26	KALYANE VYANKATESH DIGAMBAR				
27	OMESH GANESH YEOLE				
28	PARTEKI GAURAV SURESH				
29	BURANDE PALLAVI BHIMRAO				
30	RAHANGDALE MOHIT UDELAL				
31	GIREPUNJE SANDIP PURANLAL				
32	CHADANGIRIWAR RANJIT SHRIHARI				
33	BAGHELE SAURABH RAJKUMAR				
34	HARNE RAKESH GAJANANRAO				
35	PANDE ROHITKUMAR SHIVKUMAR				
36	PADA YOGESH BALIRAM				
37	BORKAR ARCHISH ARVIND				
38	SATAO VAISHNAVI MANOHAR				
39	KARISHMA BANDUJI KHAWSE				
40	CHANDURKAR BHAIRAV DOMA				
41	CHAVHAN AJAY VILAS				
42	NIKHIL HEMRAJ GAYDHANE				
43	SURAJ BHAURAO SALAME				
44	MESHRAM PRAFUL BHAGWAT				
45	TEMBHARE RAKESH GULABCHAND				
46	CHOUDHARI POOJA SOHANLAL				
47	BAGHELE ADITYA ASHOK				
48	THAKUR DIVYA CHATRAPATI				
49	WAGHAMARE BHARTI RAMESH				
50	SIRSAM SAMIKSHA GAJANAN				
51	DUPARE VAIBHAV PREMDAS				
52	GHODMARE SMITA DAMODHARRAO				
53	CHACHANE HARSHAL RAMESH				
54	TAMGADAGE NIKHIL SURDAS				
55	NARSE SUCHITA DATTA				
56	UMREDKAR SHUBHAM KISANA				
57	NAGPURE TUSHAR BHASKAR				

Attendance Sheet

Section B

Roll No.	Student Name	EMI (25)	NA (25)	ADC (25)	IPP (25)
58	AREKAR PRANITA AMBADAS				
59	TURANKAR SAHIL RAMESH				
60	BHENDE DHANSHREE VASANT				
61	DHAGE PRITI GAJANAN				
62	SOHALIYA KISHOR RAMESH				
63	NITNAWARE SHREYA BANDUJI	Shreya	Shreya	Shreya	Shreya
64	MESHRAM KRUSHNAKUMAR MAROTI				
65	MATE ANITA VINOD	Anita	Anita	Anita	Anita
66	RANE CHETAN SHREEMANT				
67	BODHANE TEJASWI KESHAORAO				
68	BODHANE KOMAL KESHAO				
69	THAKARE NIKITA BHAURAO				
70	SEVAK RAMRAO PAWAR				
71	MANKAR GAURAV WASUDEO				
72	PARDHI KUNAL LALCHAND				
73	TURKAR NITISH RAMESHWAR				
74	DONODE GAURAV RAJESHWAR				
75	YETRE DIPAK RAMPRAKASH				
76	SHENDE ANKIT ANIL				
77	RAHANGDALE MUKESH RUPCHAND				
78	DAKORE JAYRAJ VYANKATRAO				
79	KALYANKAR SANTOSH PRALHADRAO				
80	PATLE SHUBHANGI ATICHAND				
81	KAPSE PRATIKSHA VIRENDRA				
82	UPRADE MAHENDRA NILAMDAS				
83	BHELAVE MUNESHWARI PATIRAM				
84	DHOMNE YASHKUMAR MANESHWAR				
85	KATRE KHOMESH RADHESHYAM				
86	NAGPURE SHUBHAM RAJKUMAR				
87	BAGHELE AMIT OMPRAKASH				
88	PADOLE KARAN DEWAKAR				
89	GAUTAM ANMOL NANHALAL				
90	BISEN VIKAS GIRDHARI				
91	DUMBHARE HARSHAL YOGESHWAR				
92	BHURE SOURAV NITARAM				
93	GURNULE AMIT PREMDAS				
94	PANEKAR SAMEER SURESH				
95	RAUT AKSHAYKUMAR RAMKISHOR				
96	PAYGHAN TEJAS UMESH	Tejas			
97	CHUTE RUCHIKA PRADIP	Ruchika	Ruchika	Ruchika	Ruchika
98	MALEKAR MANSI ASHOK				
99	BUDHE VAIBHAV ZAGDUJI				
100	RAMTEKE SAHIL RASHTRAPAL				
101	RUSHIKESH KISHOR CHANDEKAR				
102	KORDE NITEEN SURESH				
103	PRAVIN DAMU HATWAR				
104	RAUT SAURABH RAJENDRA				
105	BUTLE SHREYASH PRAKASH	Shreyash			
106	RAHULKAR ASHISH PRADIP				
107	KHATRI ALI 'BASHEER AHMED	Ahmed	Ahmed	Ahmed	Ahmed
108	GABHANE DARSHAN ANKUSH				
109	FALAKE SAGAR NARENDRA				
110	HARINKHEDE BHUMENDRA PANNALAL				
111	SHENDE ABHISHEK BHIMRAO				
112	WATHORE PARTHAV PREMSAGAR				
113	KOTAMBE SAKSHI CHHAGAN				
114	TURANKAR SAGAR HARISHCHANDRA				
115	BANSOD PARTH SANJAY				

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur Pin-441501

Department of Electrical Engineering

Session 2022-23 (Odd)

Theory Marksheet PUT

Section A

	Student Name	EMI (70)	NA (70)	ADC (70)	RES (70)	EEM (70)	IPP (35)	EVS (50)
	RAIKOHAD SAHIL DHANRAJ		14		0		19	
	NAGARIKAR SAGAR DINESH							
	LANDGE SHRIKANT NAMDEO							
	SANGOLKAR PRANAY SUMED							
	DEVHARE SHIVSAGAR RAJHANS							
	GOTEFODE LOKESH WASUDEO		05					
	SINGPURE NATASHA PREMKISHOR							
	PIMPALKAR PALLAVI BABAN	42	18	32	10		30	
	DHUMNE UJWALA GIRIDHAR		19		14		15	
)	DONGRE SANKET RAJABHAU							
1	KSHIRSAGAR CHETAN ATUL							
2	BUTE CHETANA RAJUJI			35			20	
3	GAWAR NIRANJANSING SANJAYSING							
4	VARMA RAKESH DEVNATH							
5	VAISHNAVI BODHE							
6	MANMODE LUCKY SUNIL							
17	BELE SAGARIKA VIJAY							
18	KAHATE ROHIT MUKESH							
19	TALEKAR RITESH ASARAM							
20	KOKODE MAHENDRA USHTUJI							
21	RAUT DNYANESHWAR SANJAY							
22	KHANDGIRE NIKHIL SANJIV							
23	HINGWE TEJAS YUVRAJ							
24	SHEIKH RAHIL SALIM							
25	LILHARE KRISHNAKUMAR RUPCHAND							
26	KALYANE VYANKATESH DIGAMBAR							
27	OMESH GANESH YEOLE							
28	PARTEKI GAURAV SURESH							
29	BURANDE PALLAVI BHIMRAO							
30	RAHANGDALE MOHIT UDELAL							
31	GIREPUNJE SANDIP PURANLAL							
32	CHADANGIRIWAR RANJIT SHRIHARI							
33	BAGHELE SAURABH RAJKUMAR							
34	HARNE RAKESH GAJANANRAO							
35	PANDE ROHITKUMAR SHIVKUMAR							
36	PADA YOGESH BALIRAM							
37	BORKAR ARCHISH ARVIND							
38	SATAO VAISHNAVI MANOHAR							
39	KARISHMA BANDUJI KHAWSE							
40	CHANDURKAR BHAIRAV DOMA							
41	CHAVHAN AJAY VILAS							
42	NIKHIL HEMRAJ GAYDHANE							

EMI RES

	SURAJ BHAURAO SALAME							
	MESHRAM PRAFUL BHAGWAT							
	TEMBHARE RAKESH GULABCHAND							
	CHOUDHARI POOJA SOHANLAL							
	BAGHELE ADITYA ASHOK							
	THAKUR DIVYA CHATRAPATI							
	WAGHAMARE BHARTI RAMESH							
	SIRSAM SAMIKSHA GAJANAN							
	DUPARE VAIBHAV PREMDAS							
	GHODMARE SMITA DAMODHARRAO							
	CHACHANE HARSHAL RAMESH		07	30	1	12		
	TAMGADAGE NIKHIL SURDAS							
	NARSE SUCHITA DATTA							
	UMREDKAR SHUBHAM KISANA							
	NAGPURE TUSHAR BHASKAR							

Section B

Roll No.	Student Name	EMI (70)	NA (70)	ADC (70)	RES (70)	EEM (70)	IPP (35)	EVS (50)
58	AREKAR PRANITA AMBADAS							
59	TURANKAR SAHIL RAMESH							
60	BHENDE DHANSHREE VASANT							
61	DHAGE PRITI GAJANAN							
62	SOHALIYA KISHOR RAMESH							
63	NITNAWARE SHREYA BANDUJI		16		1	17		
64	MESHRAM KRUSHNAKUMAR MAROTI							
65	MATE ANITA VINOD	~~42~~	28	~~45~~	1	20		
66	RANE CHETAN SHREEMANT							
67	BODHANE TEJASWI KESHAORAO							
68	BODHANE KOMAL KESHAO							
69	THAKARE NIKITA BHAURAO							
70	SEVAK RAMRAO PAWAR							
71	MANKAR GAURAV WASUDEO							
72	PARDHI KUNAL LALCHAND							
73	TURKAR NITISH RAMESHWAR							
74	DONODE GAURAV RAJESHWAR							
75	YETRE DIPAK RAMPRAKASH							
76	SHENDE ANKIT ANIL							
77	RAHANGDALE MUKESH RUPCHAND							
78	DAKORE JAYRAJ VYANKATRAO							
79	KALYANKAR SANTOSH PRALHADRAO							
80	PATLE SHUBHANGI ATICHAND							
81	KAPSE PRATIKSHA VIRENDRA							
82	UPRADE MAHENDRA NILAMDAS							
83	BHELAVE MUNESHWARI PATIRAM							
84	DHOMNE YASHKUMAR MANESHWAR							
85	KATRE KHOMESH RADHESHYAM							
86	NAGPURE SHUBHAM RAJKUMAR							
87	BAGHELE AMIT OMPRAKASH							
88	PADOLE KARAN DEWAKAR							
89	GAUTAM ANMOL NANHALAL							
90	BISEN VIKAS GIRDHARI							

					EMI		RES			
	DUMBHARE HARSHAL YOGESHWAR									
	BHURE SOURAV NITARAM									
	GURNULE AMIT PREMDAS									
	PANEKAR SAMEER SURESH									
	RAUT AKSHAYKUMAR RAMKISHOR									
	PAYGHAN TEJAS UMESH									
	CHUTE RUCHIKA PRADIP	28	23	28	14					
	MALEKAR MANSI ASHOK									
	BUDHE VAIBHAV ZAGDUJI									
0	RAMTEKE SAHIL RASHTRAPAL									
1	RUSHIKESH KISHOR CHANDEKAR									
2	KORDE NITEEN SURESH									
3	PRAVIN DAMU HATWAR									
4	RAUT SAURABH RAJENDRA									
5	BUTLE SHREYASH PRAKASH									
6	RAHULKAR ASHISH PRADIP									
7	KHATRI ALI 'BASHEER AHMED		05	38	13	10				
8	GABHANE DARSHAN ANKUSH									
9	FALAKE SAGAR NARENDRA									
10	HARINKHEDE BHUMENDRA PANNALAL									
11	SHENDE ABHISHEK BHIMRAO									
12	WATHORE PARTHAV PREMSAGAR									
13	KOTAMBE SAKSHI CHHAGAN									
14	TURANKAR SAGAR HARISHCHANDRA									
15	BANSOD PARTH SANJAY									

SMK

NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
NAGPUR
EPARTMENT OF ELECTRICAL ENGINEERING
Session 2022-23(EVEN)

SESSIONAL I EXAM

Time Table

Date: 17/02/2023

y	Date	Time	VI	VIII
n	27/02/2023	10.00am-11.00am	Computer Applications In Power System	Switchgear &Protection
e	28/02/2023	10.00am-11.00am	Switchgear & Protection	EHV AC & HVDC Transmission
ed	1/03/2023	10.00am-11.00am	Engineering Economics & Industrial Management	Electrical Distribution System
hu	2/03/2023	10.00am-11.00am	Electrical Drives &Their Control	Computer Applications In Power System
Fri	3/03/2023	10.00am-11.00am	Open Elective-I	-----

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

Diksha Khare
In-charge

Prof.Neha Chourasia
Associate Dean
(Academics)

Prof. Rajendra Bhombe
Head of Department & Vice-Principal

Dr.Hemant Hajare
Principal

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur Pin-441501

Department of Electrical Engineering

Session 2022-23 (Odd)

Internal Practical Attendance Sheet Marksheet

Section A Marks 25

Roll No.	Student Name	EMI 25	NA 25	ADC 25	IPP 25
1	RAIKOHAD SAHIL DHANRAJ		23		
2	NAGARIKAR SAGAR DINESH				
3	LANDGE SHRIKANT NAMDEO				
4	SANGOLKAR PRANAY SUMED				
5	DEVHARE SHIVSAGAR RAJHANS				
6	GOTEFODE LOKESH WASUDEO		23		
7	SINGPURE NATASHA PREMKISHOR				
8	PIMPALKAR PALLAVI BABAN		23		
9	DHUMNE UJWALA GIRIDHAR		22		
10	DONGRE SANKET RAJABHAU				
11	KSHIRSAGAR CHETAN ATUL				
12	BUTE CHETANA RAJUJI				
13	GAWAR NIRANJANSING SANJAYSING				
14	VARMA RAKESH DEVNATH				
15	VAISHNAVI BODHE				
16	MANMODE LUCKY SUNIL				
17	BELE SAGARIKA VIJAY				
18	KAHATE ROHIT MUKESH				
19	TALEKAR RITESH ASARAM				
20	KOKODE MAHENDRA USHTUJI				
21	RAUT DNYANESHWAR SANJAY				
22	KHANDGIRE NIKHIL SANJIV				
23	HINGWE TEJAS YUVRAJ				
24	SHEIKH RAHIL SALIM				
25	LILHARE KRISHNAKUMAR RUPCHAND				
26	KALYANE VYANKATESH DIGAMBAR				
27	OMESH GANESH YEOLE				
28	PARTEKI GAURAV SURESH				
29	BURANDE PALLAVI BHIMRAO				
30	RAHANGDALE MOHIT UDELAL				
31	GIREPUNJE SANDIP PURANLAL				
32	CHADANGIRIWAR RANJIT SHRIHARI				
33	BAGHELE SAURABH RAJKUMAR				
34	HARNE RAKESH GAJANANRAO				
35	PANDE ROHITKUMAR SHIVKUMAR				
36	PADA YOGESH BALIRAM				
37	BORKAR ARCHISH ARVIND				
38	SATAO VAISHNAVI MANOHAR				
39	KARISHMA BANDUJI KHAWSE				
40	CHANDURKAR BHAIRAV DOMA				
41	CHAVHAN AJAY VILAS				
42	NIKHIL HEMRAJ GAYDHANE				
43	SURAJ BHAURAO SALAME				
44	MESHRAM PRAFUL BHAGWAT				
45	TEMBHARE RAKESH GULABCHAND				
46	CHOUDHARI POOJA SOHANLAL				
47	BAGHELE ADITYA ASHOK				
48	THAKUR DIVYA CHATRAPATI				
49	WAGHAMARE BHARTI RAMESH				
50	SIRSAM SAMIKSHA GAJANAN				
51	DUPARE VAIBHAV PREMDAS				
52	GHODMARE SMITA DAMODHARRAO				
53	CHACHANE HARSHAL RAMESH		24		
54	TAMGADAGE NIKHIL SURDAS				
55	NARSE SUCHITA DATTA				
56	UMREDKAR SHUBHAM KISANA				
57	NAGPURE TUSHAR BHASKAR				

Section B

Roll No.	Student Name	EMI 25	NA 25	ADC 25	IPP 25
58	AREKAR PRANITA AMBADAS				
59	TURANKAR SAHIL RAMESH				
60	BHENDE DHANSHREE VASANT				
61	DHAGE PRITI GAJANAN				
62	SOHALIYA KISHOR RAMESH				
63	NITNAWARE SHREYA BANDUJI				
64	MESHRAM KRUSHNAKUMAR MAROTI		23		
65	MATE ANITA VINOD				
66	RANE CHETAN SHREEMANT		24		
67	BODHANE TEJASWI KESHAORAO				
68	BODHANE KOMAL KESHAO				
69	THAKARE NIKITA BHAURAO				
70	SEVAK RAMRAO PAWAR				
71	MANKAR GAURAV WASUDEO				
72	PARDHI KUNAL LALCHAND				
73	TURKAR NITISH RAMESHWAR				
74	DONODE GAURAV RAJESHWAR				
75	YETRE DIPAK RAMPRAKASH				
76	SHENDE ANKIT ANIL				
77	RAHANGDALE MUKESH RUPCHAND				
78	DAKORE JAYRAJ VYANKATRAO				
79	KALYANKAR SANTOSH PRALHADRAO				
80	PATLE SHUBHANGI ATICHAND				
81	KAPSE PRATIKSHA VIRENDRA				
82	UPRADE MAHENDRA NILAMDAS				
83	BHELAVE MUNESHWARI PATIRAM				
84	DHOMNE YASHKUMAR MANESHWAR				
85	KATRE KHOMESH RADHESHYAM				
86	NAGPURE SHUBHAM RAJKUMAR				
87	BAGHELE AMIT OMPRAKASH				
88	PADOLE KARAN DEWAKAR				
89	GAUTAM ANMOL NANHALAL				
90	BISEN VIKAS GIRDHARI				
91	DUMBHARE HARSHAL YOGESHWAR				
92	BHURE SOURAV NITARAM				
93	GURNULE AMIT PREMDAS				
94	PANEKAR SAMEER SURESH				
95	RAUT AKSHAYKUMAR RAMKISHOR				
96	PAYGHAN TEJAS UMESH				
97	CHUTE RUCHIKA PRADIP		22		
98	MALEKAR MANSI ASHOK				
99	BUDHE VAIBHAV ZAGDUJI				
100	RAMTEKE SAHIL RASHTRAPAL				
101	RUSHIKESH KISHOR CHANDEKAR				
102	KORDE NITEEN SURESH				
103	PRAVIN DAMU HATWAR				
104	RAUT SAURABH RAJENDRA				
105	BUTLE SHREYASH PRAKASH				
106	RAHULKAR ASHISH PRADIP				
107	KHATRI ALI 'BASHEER AHMED		23		
108	GABHANE DARSHAN ANKUSH				
109	FALAKE SAGAR NARENDRA				
110	HARINKHEDE BHUMENDRA PANNALAL				
111	SHENDE ABHISHEK BHIMRAO				
112	WATHORE PARTHAV PREMSAGAR				
113	KOTAMBE SAKSHI CHHAGAN				
114	TURANKAR SAGAR HARISHCHANDRA				
115	BANSOD PARTH SANJAY				

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Electrical Engineering

Session 2022-2023 (ODD)

Internal Practical Attendance

ter: V SEMESTER (CBS) (Regular)

Section : A

Roll No	Student Name	Power Electronics	Control System	MPI
1	AMBIKA HARI NANWATKAR			
2	ANKITA LAXMICHAND RAHANGDALE			
3	ASHIKA MAHADEO THAKARE			
4	DIVYA EKNATH ADE			
5	DNYANESHWARI PUNDLIK BORKUTE			
6	GAYATRI DNYANESHWAR BONSULE	@Bonsule	@Bonsule	@Bonsule
7	GODAVARI SHRIKRUSHAN GADDHAVE			
8	HRUTUJA RAJESH CHIKATE			
9	ISHA DIPAK DHUMAL			
10	KARISHMA KISHORRAO SATPUDKE			
11	KHUSHBU TEKESHWAR PARDHI			
12	LALITA RAMESH PATLE			
13	NIKITA KHOKAN PAUL			
14	PALLAVI PRABHAKARRAO IMANE			
15	POOJA VENKTESH CHOPPAWAR			
16	PRACHITA NANAJI MADEKAR	Pmadekar	Pmadekar	Pmadekar
17	PRATIKSHA SHESHRAO KHEDKAR			
18	PRIYA RAHUL SAHARE			
19	PRIYANSHI DHANIRAM SAHU	Psahu	Psahu	Psahu
20	PUNAM JIYALAL THAKRE			
21	SHRADDHA SUDHIR SOMKUWAR			
22	SHRUTI AJABRAO GUJWAR			
23	SNEHA MANOHAR WALKE			
24	SNEHA VIRENDRA PARBAT			
25	SONALI ASHOK RAUT			
26	VAISHANAVI GANESH BISEN			
27	VISHAKHA MADAN DANDEKAR			
28	YOGINI CHANGDEO KHUALKAR			
29	AAKIF SAAD SAMIULLAH KHAN			
30	ABHIJIT JANRAO IRPATI			
31	ABHISHEK RAJU BANSOD			
32	ADESH VINODRAO LUNGE			

33	ADITYA KAMLAKAR HEDAU			
34	AKASH DEVIDAS SAWANT			
35	AKASH EKNATH RAUT			
36	AKASH RAJESH TIWARI			
37	AKASH SURESH GIRGHUSE			
38	AKSHAY SUBHASH GANPHADE			
39	AKSHAY RAOSAHEB INGALE			
40	AMIT DHANRAJ MANWARE			
41	ANANTA ASHOK KUDEGAVE			
42	ANIKET LAHANU CHAUHAN			
43	ANIKET RAJENDRA TAYWADE			
44	ARSHAD MD MISBHAUDDIN SHARIFF			
45	ASHISH ANIL SARODE			
46	AWAIS KHAN HAMEED KHAN			
47	BHARAT BABARAO INGOLE			
48	CHAITANYA SANJAY TEMBHARE			
49	CHANDU THEMAJI THIKARE			
50	CHETAN CHANDRABHAN NAGPURE			
51	CHETAN DILIP HEDAU			
52	CHETAN INDRAJIT JENEKAR			
53	DARSHAN RAMESH PETKULE			
54	DHAWAL RAMPRAKASH DHENGE			
55	DHIRAJ MOHAN MOTHANKAR			
56	DIPAK RATNAKAR BANKAR			
57	DIPAKKUMAR BALKRUSHNA KATRE			
58	GANESH VENKANNA PENDYALA			
59	GAURAV JEEVANRAO JICHKAR			
60	GOYAL SATISH KALE			
61	HITESH KHUSHAL SANESHWAR			
62	HITESH YOGENDRA MANDPE			
63	HUMESH LOBHAJI BHAJANKAR			
64	JAVEAD AKTAR MD. SADIQUE SHEIKH			

shay Pillewan
Teacher

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Electrical Engineering

Session 2022-2023 (ODD)

Internal Practical Attendance

ester: V SEMESTER (CBS) (Regular)

Date: - 5/12/2022

Section : B

Roll. No.	Student Name	Power Electronics	Control System	MPI
1.	JIGNESH INDRESH PRAJAPATI			
2.	JITENDRA VINOD NEMADE			
3.	JIWAN SANTOSH DUKARE			
4.	KAMLESH RAJARAM CHIKHLONDE			
5.	KHIZAR KHAN ASHFAQUE AHMED KHAN			
6.	KIRAN SURESH KAPGATE			
7.	MANISH RAJKUMAR LANDGE			
8.	MUKESH MANOHAR KELWADKAR			
9.	NIKESH TATWARAJ KHOBRAGADE			
10.	PANKAJ RAMESH GUJWAR			
11.	PRAFULLA GAJANAN RODE			
12.	PRASAD MOHAN BHUTADA			
13.	PRATIK RAJU DHOLE			
14.	PRATIK PRABHAKAR NADUNDE			
15.	PRATIK SHIVAJI WANKHEDE			
16.	RAHUL KHUSHAL MOHURLE			
17.	RITIK RAJU FULZELE			
18.	ROHIT RAMBHAU RAJUKE			
19.	ROHIT ASHOK VAIDYA			
20.	RUPAM RAGHOBA FULZELE			
21.	SAGAR SUBHASH CHANDURKAR			
22.	SAGAR CHANDRASHEKAR AMGAONKAR			
23.	SAGAR RAJESH HIVRALE			
24.	SAHIL DHARMENDRA JAWADE			
25.	SAHIL PRAMOD UKEY			
26.	SAJIL ASHOK RAMBHADE			
27.	SANKET PRAKASHRAO KANEKAR			
28.	SHAILESH PURUSHOTTAM KOLTE			
29.	SHAMSH ALTAMASH MOHD. ALEEMBILEKUDRI			
30.	SHASHWAT BABARAO DAMBHARE			
31	SHEKHAR DIGAMBAR KAWALE			
32	SHIVAM KHUSHAL SAKORE			
33	SUDHAM NARAYAN DAMDHAR			

34	SHUBHAM SHESHRAO HUKUM			
35	SHUBHAM SHYAM ROKADE			
36	SHUBHAM TUSHAR TAYADE	Tayade	Tayade	Tayade
37	SHUBHM GJNANAN KALE			
38	SIDDHANT SANTOSH SEVAIWAR			
39	SNEHAL LACHANNA GADE			
40	SOURABH RAJU KOKEWAR			
41	SUMIT CHARANDAS KANEKAR			
42	SUMIT JAYKUMAR PAIKRAO			
43	SURAJ NAGSEN LOHALE			
44	SURAJ PRAKASH BHAWARE			
45	TAUSEEF RAZA HAYAT KHAN			
46	TUSHAR DILIP RATHOD			
47	UJWAL VIJAY BHAISARE			
48	UTKARSH VINAYAK JURANKAR			
49	VAIBHAV SUDHAKAR TULANKAR			
50	VAIBHAV VILAS BHAKARE			
51	VASANT SHRINIWAS NADIGOTA			
52	VEDANT GOPALRAO BOKEY			
53	VEDANT KRUSHNA SATPUTE			
54	VIJAY BALIRAM GAIKWAD			
55	VIKAS DNYANESHWAR KALAMBE			
56	VINAYAK MAHARUDRA SWAMI			
57	VISHAL RAMBHAU KUMBHARE			
58	VISHNU GAUTAM LATHAKAR			
59	VIVEK ASHOKRAO ZADE			
60	VRUSHABH SURESH SHENDE			
61	YASH SURESH ASTUNKAR			
62	YASH VINOD PENDAM			
63	YOGESHWAR NAMDEO LODE			
64	PRINCE ZANAKLAL PATLE			

Prof. Akshay Pillewan
Class Teacher

Prof. Rajendra Bhombe
Head of Department

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Electrical Engineering

Session 2022-2023 (ODD)

Internal Practical Marks

Semester: V SEMESTER (CBS) (Regular)

Section : A

Roll No	Student Name	Power Electronics	Control System	MPI
1	AMBIKA HARI NANWATKAR			
2	ANKITA LAXMICHAND RAHANGDALE			
3	ASHIKA MAHADEO THAKARE			
4	DIVYA EKNATH ADE			
5	DNYANESHWARI PUNDLIK BORKUTE			
6	GAYATRI DNYANESHWAR BONSULE	23	23	
7	GODAVARI SHRIKRUSHAN GADDHAVE			
8	HRUTUJA RAJESH CHIKATE			
9	ISHA DIPAK DHUMAL			
10	KARISHMA KISHORRAO SATPUDKE			
11	KHUSHBU TEKESHWAR PARDHI			
12	LALITA RAMESH PATLE			
13	NIKITA KHOKAN PAUL			
14	PALLAVI PRABHAKARRAO IMANE			
15	POOJA VENKTESH CHOPPAWAR			
16	PRACHITA NANAJI MADEKAR	20	23	
17	PRATIKSHA SHESHRAO KHEDKAR			
18	PRIYA RAHUL SAHARE			
19	PRIYANSHI DHANIRAM SAHU	23	22	
20	PUNAM JIYALAL THAKRE			
21	SHRADDHA SUDHIR SOMKUWAR			
22	SHRUTI AJABRAO GUJWAR			
23	SNEHA MANOHAR WALKE			
24	SNEHA VIRENDRA PARBAT			
25	SONALI ASHOK RAUT			
26	VAISHANAVI GANESH BISEN			
27	VISHAKHA MADAN DANDEKAR			
28	YOGINI CHANGDEO KHUALKAR			
29	AAKIF SAAD SAMIULLAH KHAN			
30	ABHIJIT JANRAO IRPATI			
31	ABHISHEK RAJU BANSOD			
32	ADESH VINODRAO LUNGE			

33	ADITYA KAMLAKAR HEDAU	18	21	
34	AKASH DEVIDAS SAWANT			
35	AKASH EKNATH RAUT	21	22	
36	AKASH RAJESH TIWARI			
37	AKASH SURESH GIRGHUSE			
38	AKSHAY SUBHASH GANPHADE			
39	AKSHAY RAOSAHEB INGALE			
40	AMIT DHANRAJ MANWARE			
41	ANANTA ASHOK KUDEGAVE			
42	ANIKET LAHANU CHAUHAN			
43	ANIKET RAJENDRA TAYWADE			
44	ARSHAD MD MISBHAUDDIN SHARIFF			
45	ASHISH ANIL SARODE			
46	AWAIS KHAN HAMEED KHAN	19		
47	BHARAT BABARAO INGOLE			
48	CHAITANYA SANJAY TEMBHARE			
49	CHANDU THEMAJI THIKARE			
50	CHETAN CHANDRABHAN NAGPURE	23	21	
51	CHETAN DILIP HEDAU			
52	CHETAN INDRAJIT JENEKAR			
53	DARSHAN RAMESH PETKULE			
54	DHAWAL RAMPRAKASH DHENGE			
55	DHIRAJ MOHAN MOTHANKAR			
56	DIPAK RATNAKAR BANKAR			
57	DIPAKKUMAR BALKRUSHNA KATRE			
58	GANESH VENKANNA PENDYALA			
59	GAURAV JEEVANRAO JICHKAR			
60	GOYAL SATISH KALE			
61	HITESH KHUSHAL SANESHWAR			
62	HITESH YOGENDRA MANDPE			
63	HUMESH LOBHAJI BHAJANKAR	20	22	
64	JAVEAD AKTAR MD. SADIQUE SHEIKH	20	21	

Prof. Akshay Pillew

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur-441 501

Department of Electrical Engineering

Session 2022-2023 (ODD)

Internal Practical Attendance

mester: V SEMESTER (CBS) (Regular) Date: - 5/12/2022

Section : B

Roll. No.	Student Name	Power Electronics	Control System	MPI
1.	JIGNESH INDRESH PRAJAPATI			
2.	JITENDRA VINOD NEMADE			
3.	JIWAN SANTOSH DUKARE			
4.	KAMLESH RAJARAM CHIKHLONDE			
5.	KHIZAR KHAN ASHFAQUE AHMED KHAN			
6.	KIRAN SURESH KAPGATE			
7.	MANISH RAJKUMAR LANDGE			
8.	MUKESH MANOHAR KELWADKAR			
9.	NIKESH TATWARAJ KHOBRAGADE			
10.	PANKAJ RAMESH GUJWAR			
11.	PRAFULLA GAJANAN RODE			
12.	PRASAD MOHAN BHUTADA			
13.	PRATIK RAJU DHOLE			
14.	PRATIK PRABHAKAR NADUNDE			
15.	PRATIK SHIVAJI WANKHEDE	23	22	
16.	RAHUL KHUSHAL MOHURLE			
17.	RITIK RAJU FULZELE			
18.	ROHIT RAMBHAU RAJUKE			
19.	ROHIT ASHOK VAIDYA			
20.	RUPAM RAGHOBA FULZELE			
21.	SAGAR SUBHASH CHANDURKAR			
22.	SAGAR CHANDRASHEKAR AMGAONKAR			
23.	SAGAR RAJESH HIVRALE	18	23	
24.	SAHIL DHARMENDRA JAWADE	22	22	
25.	SAHIL PRAMOD UKEY	22	21	
26.	SAJIL ASHOK RAMBHADE			
27.	SANKET PRAKASHRAO KANEKAR			
28.	SHAILESH PURUSHOTTAM KOLTE			
29.	SHAMSH ALTAMASH MOHD. ALEEMBILEKUDRI	18	22	
30.	SHASHWAT BABARAO DAMBHARE			
31	SHEKHAR DIGAMBAR KAWALE			
32	SHIVAM KHUSHAL SAKORE			
33	SIDDHESH NARAYAN DAMBHARE			

34	SHUBHAM SHESHRAO HUKUM			
35	SHUBHAM SHYAM ROKADE			
36	SHUBHAM TUSHAR TAYADE	-23	21	
37	SHUBHM GJNANAN KALE			
38	SIDDHANT SANTOSH SEVAIWAR			
39	SNEHAL LACHANNA GADE			
40	SOURABH RAJU KOKEWAR			
41	SUMIT CHARANDAS KANEKAR			
42	SUMIT JAYKUMAR PAIKRAO			
43	SURAJ NAGSEN LOHALE			
44	SURAJ PRAKASH BHAWARE			
45	TAUSEEF RAZA HAYAT KHAN			
46	TUSHAR DILIP RATHOD			
47	UJWAL VIJAY BHAISARE			
48	UTKARSH VINAYAK JURANKAR			
49	VAIBHAV SUDHAKAR TULANKAR			
50	VAIBHAV VILAS BHAKARE			
51	VASANT SHRINIWAS NADIGOTA			
52	VEDANT GOPALRAO BOKEY			
53	VEDANT KRUSHNA SATPUTE			
54	VIJAY BALIRAM GAIKWAD			
55	VIKAS DNYANESHWAR KALAMBE			
56	VINAYAK MAHARUDRA SWAMI			
57	VISHAL RAMBHAU KUMBHARE			
58	VISHNU GAUTAM LATHAKAR			
59	VIVEK ASHOKRAO ZADE			
60	VRUSHABH SURESH SHENDE			
61	YASH SURESH ASTUNKAR			
62	YASH VINOD PENDAM			
63	YOGESHWAR NAMDEO LODE			
64	PRINCE ZANAKLAL PATLE			

t. Akshay Piliewan
lass Teacher

Prof. Rajendra Bhombe
Head of Department