

Vithalrao Vikhe Patil College of Engineering Vilad Ghat, Ahmednagar.


DEPARTMENT OF ELECTRICAL ENGINEERING

Date: - 03/10/2023

NOTICE

All SE students are hereby informed that, there will class test on 4/10/2023 to 7/10/2023. Detail timetable should be display on notice board. Test will be on Second unit of each subject. Attendance is compulsory.

The average of marks obtained in five (05) papers will be considered for continuous assessment of all subjects having term work. Hence the marks obtained in the subject not having term work is also important.


Dr. A.R. Laxare
Head of Department
Dept. of Electrical Engg
P.D.V.P.College of Engg.
Ahmednagar.

DEPARTMENT OF ELECTRICAL ENGINEERING

Date: - 03/08/2023


CLASS TEST- II

INVIGILATION DUTY FOR TEACHING & NON- TEACHING STAFFS

Sr. No.	Date / Day	Time	Class	Subject	Invigilators	Lab. assts.& Peons
01	4/10/23 WED	10:30 – 11:30 am	S.E.	PS-I	SKA	TVG, GRZ
		3.00-4.00 pm	S.E.	NMCP	KDV	AVM, BSL
02	5/10/23 THUR	10:30 – 11:30 am	S.E.	NA	SBJ	TVG, SRP
		3.00-4.00 pm	S.E.	E/MC-I	SKS	AVM, ARG
03	6/10/23 FRI	10:030 – 11:30 am	S.E.	FMA	ARL	TVG, ARG

Class Teacher has to make arrangements for smooth conduction of the test and provide roll lists for attendance and marks separately.

No staff members are allowed leaves during the examination period. Marks to be submitted within three days after the exams.


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Electrical. Engg. Dept.

Notice Board

- All Teaching Staff -----Pl. note the Schedule & do the needful.

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar

Electrical Engineering Department
Academic Year 2023-2024

Name of the Subject: Electrical Measurement & Instrumentation

Class: S.E.

Subject Teacher: Prof. S.B. Joshi

Semester: I

Date: 5/10/23

TEST II

Marks – 10

Time:

Instructions: -

- 1) Neat diagrams must be drawn wherever necessary
- 2) Figures to the right indicates full marks
- 3) Assume suitable data if necessary

- 1 a) With a circuit diagram derive the equation for balance in the case of Maxwell's Inductance bridge. Draw the phasor diagram for balance condition. [4] [L1]
- b) Highly sensitive galvanometer can detect current 0.1 nA . it is used in Wheatstone Bridge as a detector each arm of the bridge has a resistance of $1 \text{ K}\Omega$, input voltage Applied 20 V . calculate smallest change in resistance that can be detected [4] [L4]
- c) With suitable circuit diagram explain ammeter and voltmeter method for Measurement of resistance. State *two* disadvantages of this method.

OR

- 2 a) Maxwell's inductance capacitance bridge is used to measure an unknown Inductance in comparison with capacitance the various values are $R_2 = 400 \Omega$, $R_3 = 600 \Omega$, $R_4 = 1000 \Omega$, $C_4 = 0.5 \mu\text{F}$ Calculate values of R_1 & L_1 Also calculate Q factor of coil if Frequency is 1000 Hz . [4] [L2]
- b) With suitable diagram explain construction and working of Megger instrument. [2] [L3]
- c) Kelvin double bridge having following component resistance [4] [L1]
- Standard resistance = 100.03Ω , Inner ratio arm = 100.31Ω & 200Ω ,
Outer ratio arm = 100.24Ω & 200Ω , connection resistance between four terminal Resistance is $700 \mu\Omega$. Calculate the unknown resistance.

ALL THE BEST

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar

Electrical Engineering Department
Academic Year 2023-2024

Name of the Subject: EMI

Class: S.E.

Subject Teacher: Prof. S.B.Joshi

Semester: I

Date: 5/10/23

TEST II

Marks - 10

Time:

Attendance Record

Roll No	Name of the Students	Sign	Marks
1.	Bhangare Sandip Kalu	<i>Bhangare</i>	09
2.	Deshmukh Pratiksha Prabhakar	<i>Deshmukh</i>	08
3.	Fuge Sanket Bhagachand	<i>Fuge</i>	09
4.	Gaikwad Samadhan Bhausaheb	<i>AB</i>	<i>AB</i>
5.	Gunjal Aniket Ram		
6.	Karad Aadesh Sharad		
7.	Khedkar Anil Vitthal		
8.	Patil Vishal Janardhan		
9.	Patil Sakshi Avinash	<i>Sakshi</i>	08
10.	Pawar Sakshi Chandrashekhar	<i>AB</i>	<i>AB</i>
11.	Pawar Ram Nivrutti	<i>AB</i>	<i>AB</i>
12.	Pawar Sarthak Sharad	<i>Sarthak</i>	04
13.	Rashinkar Diksha Anil	<i>Rashinkar</i>	04
14.	Sase Nikhil Balasaheb	<i>Sase</i>	06
15.	Shejul Ramhari Dadasaheb	<i>AB</i>	<i>AB</i>
16.	Sonawane Suraj Sunil	<i>AB</i>	<i>AB</i>
17.	Thange Suyash Sunil	<i>Thange</i>	05
18.	Waghmare Achal Arvind	<i>Waghmare</i>	05
19.	Waghmode Tejaswini Abhimanyu	<i>AB</i>	<i>AB</i>
20.	Khedkar Vikas Babasaheb	<i>AB</i>	<i>AB</i>
21.	Tambe Rahul Babasaheb	<i>Tambe R.B.</i>	05
22.	Waghade Sai Satish	<i>Waghade</i>	09
23.	Borude Preeti Banshi	<i>Preeti</i>	01
24.	Shreyas Chakkarwar	<i>Shreyas</i>	03
25.	Bhujbal Umesh Babu	<i>Bhujbal</i>	07
26.	Kandekar Varunhar	<i>AB</i>	<i>AB</i>
27.	Prathmesh Raghunath Gangode	<i>P.R. Gangode</i>	02
28.	Sawant Rohit	<i>AB</i>	<i>AB</i>
29.	Shaikh Asim Riyazuddin	<i>Shaikh</i>	05
30.	Fulsoukar Chrut Atul	<i>Fulsoukar</i>	03

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