

International Islamic University Chittagong

Department of Civil Engineering

Final Assessment Test of EEE -1108 (Basic Electrical Engineering Sessional)

Autumn 2022 (B.Sc. in Civil Engineering)

Time: 10.30AM-1.30 PM

(i) The figures in the right-hand margin indicate full marks

(ii) Course Outcomes and Bloom's Levels are mentioned in additional Columns

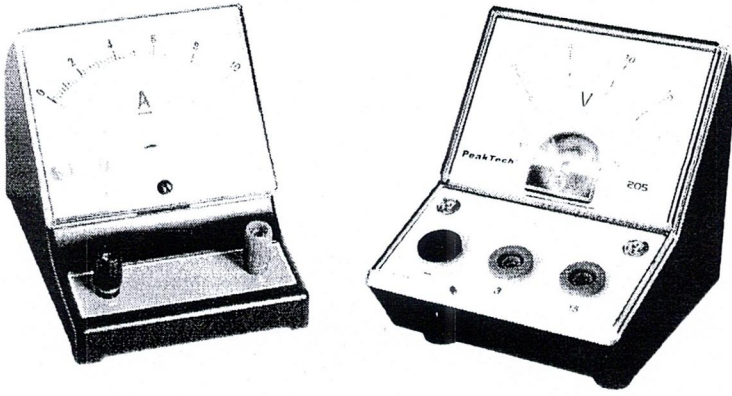
Total: 50 Marks

Course Outcomes (COs): Upon the successful completion of the course, students will be able to

CLO1	Understand series-parallel circuit connection in a bread board and able to measure voltage, current, and resistance of the circuit elements using multi-meter.
CLO2	Verify various network theorems and apply those theorems for solving complicated networks.
CLO3	Develop writing and communication skill.

Bloom's Levels of the Questions						
Letter Symbols	R	U	App	An	E	C
Meaning	Remember	Understand	Apply	Analyze	Evaluate	Create

Please answer all Questions (Q1-Q8)

Sl				Marks
1	Draw the bread board internal connection and write 5 lines about bread board in own words	CLO1	R,U	5
2	Write three lines in own words for each of the two measuring instruments shown in Fig1 and show how the instruments can be used by drawing a complex circuit.	CLO2	Ap	5
 Fig.1				
3	Explain resistance color code of Fig.2 in own words.	CLO1	U	5

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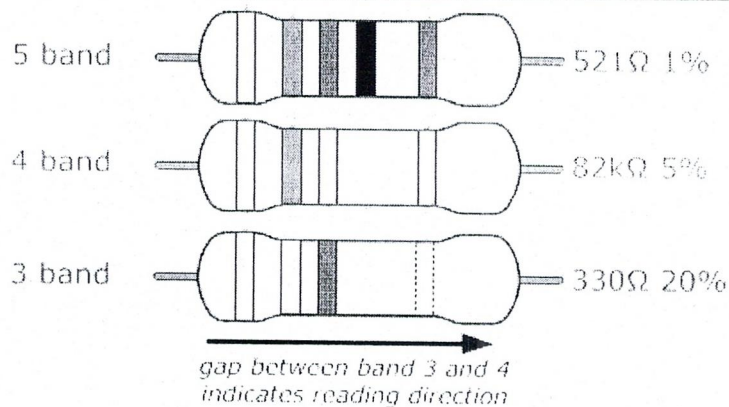


Fig.2

4 Explain the operation of measuring instruments shown in Figure 3 in own words.

CLO1 An 5

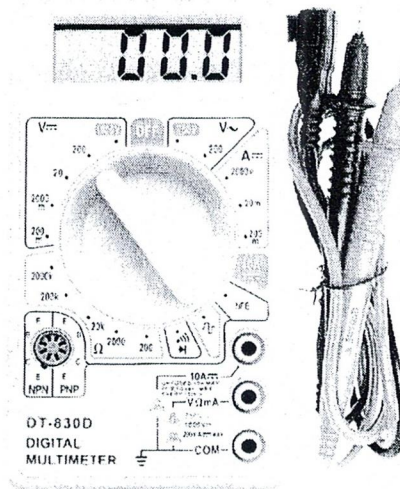


Fig.3

5 What is the difference between motor and generator. Explain with figure and own words.

CLO1 U 5

6 Write a short note about diode in own words.

CLO1 R,U 5

7 Write a short note about transformer in own words.

CLO2 R,U 5

8 Write a short note about your visit to IIUC substation

CLO3 U,Ap 5

9 Write from experience: Why the civil engineers need to know the basic of Electrical Engineering?

CLO3 Ap 5

10 What is current and voltage?

CLO3 U 5