

NETTUR TECHNICAL TRAINING FOUNDATION
COMMON FOR CP04, CP15 & CP23
I SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: Electrical Engineering

Total Time: 2 Hr.

Subject Code: CP04105T/CP15105T/CP23105T

Total Marks: 50 Marks

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING

2*8=16

- 1.1 Define energy and power
- 1.2 What do you mean by depth of discharge?
- 1.3 State Ohms Law
- 1.4 Draw a sine wave and mark its amplitude and define amplitude.
- 1.5 Draw the current and voltage waveforms of pure resistive load.
- 1.6 How many wires are in 3 phase system? How to identify?
- 1.7 Write the examples of protective devices.
- 1.8 Which are the components using in earthing?
- 1.9 Write the types of fuse.
- 1.10 Mention any 4 examples for renewable energy resources

2.0 ANSWER ANY SIX OF THE FOLLOWING

3*6=18

- 2.1 Explain the concept of current & voltage
- 2.2 Which are the main grouping of cell? Explain each.
- 2.3 How to find out the frequency of a wave form? Write its unit & Draw the example of a high frequency and low frequency signal.
- 2.4 Explain the types of configurations in 3 phase system with neat sketch
- 2.5 Write a short notes about kit kat fuse.
- 2.6 Compare AC & DC voltage
- 2.7 Which are the major parts of wind mill?
- 2.8 Write the difference between RCCB & ELCB

3.0 ANSWER ANY FOUR OF THE FOLLOWING

4*4=16

- 3.1 With the help of a circuit explain the Kirchhoff's Current Law & Voltage Law
- 3.2 What are the safety precautions of battery?
- 3.3 Mention the advantages of 3 phase over single phase.
- 3.4 Draw & explain the construction and working of relay with neat sketch
- 3.5 Explain about different types of earthing
- 3.6 How the nuclear power plant will work? Explain

