



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – Dip.EE-2022/Dip.EE-2023

Course Name – Electrical Installation, Maintenance, Testing

Course Code - DEEPC602

(Semester VI)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select the use of dielectric mineral oil in
 - a) Small transformers
 - b) Medium transformers
 - c) Large transformers
 - d) In all transformers
- (ii) Tell laminated core is designed to reduce
 - a) Hysteresis loss
 - b) Eddy current loss
 - c) Both hysteresis loss and eddy current loss
 - d) Cannot be determined
- (iii) Select the smallest cross-sectional area of an aluminum conductor for domestic wiring.
 - a) 1.00 sq. mm
 - b) 1.25 sq. mm
 - c) 1.5 sq. mm
 - d) 2.25 sq. mm
- (iv) Identify that the electrical schedule is
 - a) A list or a plan of a building providing information of number of points in each room.
 - b) The list of all the electrical components required for a particular room
 - c) The list of electrical components, along with their prices
 - d) Both the list of all the electrical components required for a particular room and the list of electrical components along with their prices.
- (v) Select the condition during the open-circuit test of a transformer
 - a) The secondary is supplied rated KVA.
 - b) Primary is supplied with no-load current.
 - c) Primary is supplied current at high voltage
 - d) Primary is supplied rated voltage
- (vi) Choose the data provided from the no load test on induction motors
 - a) Core loss only
 - b) Magnetising current
 - c) No load power factor
 - d) All of these
- (vii) Choose the correct option: the back emf of a DC motor depends on
 - a) Field flux
 - b) Shape of conductors
 - c) Type of slip rings
 - d) Brush material

