

## TYPICAL QUESTIONS & ANSWERS

### PART - I

#### OBJECTIVE TYPE QUESTIONS

Each Question carries 2 marks.

Choose correct or the best alternative in the following:

- Q.1 The "Superposition theorem" is essentially based on the concept of  
(A) duality. (B) linearity.  
(C) reciprocity. (D) non-linearity.

Ans: B

- Q.2 Cells are connected in parallel in order to  
(A) increase the voltage available. (B) reduce cost of wiring.  
(C) increase the current available. (D) reduce the time required to fully charge them after use.

Ans: C

- Q.3 The power factor of a purely resistive circuit is  
(A) zero. (B) unity.  
(C) lagging. (D) leading.

Ans: B

- Q.4 The power taken by a 3-phase load is given by the expression  
(A)  $3 V_L I_L \cos \phi$ . (B)  $\sqrt{3} V_L I_L \cos \phi$ .  
(C)  $3 V_L I_L \sin \phi$ . (D)  $\sqrt{3} V_L I_L \sin \phi$ .

Ans: B

- Q.5 Which of the following generating stations has the minimum running cost?  
(A) hydro-electric station. (B) nuclear power station.  
(C) thermal power station. (D) diesel power plant.

Ans: A

- Q.6 Which of the following motors has a high starting torque?  
(A) ac series motor. (B) dc series motor.  
(C) induction motor. (D) synchronous motor.

# Objective Questions Of Basic Electrical Engineering

**DJ Losen**



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