

## PRINCIPLES OF ELECTRICITY

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### MULTIPLE CHOICE

1. Materials that opposes the flow of electric current.

a. Rubber  
b. Conductor  
c. Semi-conductor  
d. Insulators

ANS: D PTS: 1

2. This type of wire consists of wires twisted to form a metallic string.

a. cable  
b. solid wire  
c. stranded wire  
d. co-axial

ANS: C PTS: 1

3. A wire with a diameter of 1/8 inches is used in wiring. Its the area in circular mils. (cm) is;

a. 625 cm  
b. 12625 cm  
c. 15656 cm  
d. 15625 cm

ANS: D PTS: 1

4. A 12 Ampere fan and blower with a power factor of 0.85 was connected to a 240 V. as source. The power in the circuit.

a. 2880 W  
b. 4.982 W  
c. 2448 W  
d. 2450 W

ANS: C PTS: 1

5. An electric motor has a nameplate rating of 2 hp., 240V and 15 Amp. What is the power factor of the motor assuming efficiency of 85%.

a. 0.48  
b. 0.6  
c. 0.7  
d. 0.85

ANS: A PTS: 1

6. Two automobile headlights are connected in series to a 12 V battery each having a resistance of  $2\Omega$ . What is the current flow in each light?

a. 1.5 A  
b. 2 A  
c. 3 A  
d. 6 A

ANS: A PTS: 1

7. How much energy in kwh is used by a 1200w heater in 4 hour of continuous operation?

a. 3 kurt  
b. 4.2 kwh  
c. 4.8 kwh  
d. 48 kwh

ANS: A PTS: 1

8. What is the increase in of a single phase to the three phase system in terms of power capacity.

a. 60%  
b. 75%  
c. 50%  
d. 73%

ANS: D PTS: 1

# Electrical Engineering Multiple Choice Questions With Answers

**Wadhwa C L**



## **Electrical Engineering Multiple Choice Questions With Answers:**

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