

### Electrical Power, Work, Energy Objective Questions & Answers Pdf

1. Two bulbs of equal wattage, one having carbon filament and the other having tungsten filament, are connected in series to the mains then

- a. both bulbs glow equally
- b. tungsten filament glows more
- c. carbon filament glows less
- d. carbon filament glows more

Ans: D

2. Two identical heater coils are connected in parallel across the mains. If one of the coil breaks, the other coil

- a. develops lower temperature
- b. develops same temperature as before
- c. develops higher temperature
- d. will also not be heated

Ans: B

3. The power rating of a motor drawing a current of 40 A at 400 V is

- a. 16000 W
- b. 400 W
- c. 10 W
- d. 0.1 W

Ans: A

4. Two lamps of 100 W and 200 W rated for 220 V are placed in series and a 440 V applied across them. Then

- a. only 100 W lamp will fuse
- b. only 200 W lamp will fuse
- c. both the lamps will fuse

d. no lamp will fuse

Ans: A

5. A kilowatt hour is the unit of

- a. energy
- b. power
- c. electric charge
- d. electric current

Ans: A

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