

Student: Sandeepa
Score: 7/10 (70.00%)

Code: 8884

1. What is the total resistance if three resistances of 3 ohms, 9 ohms and 5 ohms are connected in series?
- A) 11 ohms
C) 17 ohms (Correct)
B) 7 ohm
D) 1/17 ohms
2. Which law states that at constant temperature the current passing through a closed circuit is directly proportional to the potential difference and inversely proportional to the resistance?
- A) Ohm's law (Correct)**
C) Newton's law
B) Lenz's law
D) Hooke's law
3. What does EMF stands for?
- A) Electronic Magnetic Force
C) Electro Magnetic Force
B) Electro Motive Force (Correct)
D) Electromated Force
4. Which alloy used in electric lamp as filament?
- A) Cobalt (Incorrect)
C) Tungsten
B) Vanadium
D) Silicon
5. What is the work done in unit time?
- A) Energy
C) Force
B) Power (Correct)
D) Acceleration
6. What is the capacity of a body to do work is called?
- A) Energy**
C) Acceleration
B) Power (Incorrect)
D) Force
7. What is the ratio of power output to power input?
- A) Work
C) Efficiency (Correct)
B) Energy
D) Acceleration
8. How many watts for 1 horse power in British system?
- A) 726 watts
C) 746 watts (Correct)
B) 736 watts
D) 756 watts
9. What is the work done, if a force of 250 newtons acted upon a body and the body has been moved through a distance of 15 metres?
- A) 3720 Joules
C) 3740 Joules
B) 3730 Joules
D) 3750 Joules (Correct)
10. What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?
- A) 639 Joules (Incorrect)
C) 659 Joules
B) 649 Joules
D) 669 Joules