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Score: 7/10 (70.00%)

Code: 9003

1. What is the total resistance if three resistances of 3 ohms, 9 ohms and 5 ohms are connected in series?

- A) 11 ohms
B) 7 ohm
C) **17 ohms (Correct)**
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)**
B) Lenz's law
C) Newton's law
D) Hooke's law

3. What does EMF stands for?

- A) Electronic Magnetic Force
B) **Electro Motive Force**
C) Electro Magnetic Force
(Incorrect)
D) Electromated Force

4. Which alloy used in electric lamp as filament?

- A) Cobalt
B) Vanadium
C) **Tungsten (Correct)**
D) Silicon

5. What is the work done in unit time?

- A) Energy
B) **Power (Correct)**
C) Force
D) Acceleration

6. What is the capacity of a body to do work is called?

- A) **Energy (Correct)**
B) Power
C) Acceleration
D) Force

7. What is the ratio of power output to power input?

- A) Work (Incorrect)
B) Energy
C) **Efficiency**
D) Acceleration

8. How many watts for 1 horse power in British system?

- A) 726 watts
B) 736 watts
C) **746 watts (Correct)**
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
B) 3730 Joules
C) 3740 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)
B) 649 Joules
C) 659 Joules
D) **669 Joules**