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Score: **7/10 (70.00%)**

**Code: 0041**

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**  
B) 7 ohm (Incorrect)  
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 (Incorrect)  
C) Electro Magnetic Force  
**B) Electro Motive Force**  
D) Electromated Force

4. Which alloy used in electric lamp as filament?

- A) Cobalt  
**C) Tungsten (Correct)**  
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  
C) 659 Joules  
B) 649 Joules  
**D) 669 Joules (Correct)**