

**Duration: 30 Mins****Total Marks: 10****Q.ID: ITISKILL0668YE**

1. What is the work done in unit time?

- A) Energy                      B) Force  
C) Acceleration                D) Power

**Answer: D) Power**

2. What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?

- A) 659 Joules                    B) 639 Joules  
C) 649 Joules                    D) 669 Joules

**Answer: D) 669 Joules**

3. 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) Lenz's law                    B) Hooke's law  
C) Newton's law                D) Ohm's law

**Answer: D) Ohm's law**

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

- A) 17 ohms                        B) 7 ohm  
C) 11 ohms                        D) 1/17 ohms

**Answer: A) 17 ohms**

5. 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) 3730 Joules                  B) 3750 Joules

- C) 3740 Joules                  D) 3720 Joules

**Answer: B) 3750 Joules**

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

- A) 736 watts                      B) 726 watts  
C) 746 watts                      D) 756 watts

**Answer: C) 746 watts**

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

- A) Power                          B) Energy  
C) Acceleration                D) Force

**Answer: B) Energy**

8. What does EMF stands for?

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

**Answer: A) Electro Motive Force**

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

- A) Energy                          B) Efficiency  
C) Work                            D) Acceleration

**Answer: B) Efficiency**

10. Which alloy used in electric lamp as filament?

- A) Silicon                          B) Tungsten  
C) Cobalt                          D) Vanadium

**Answer: B) Tungsten**