

Student Name: _____ Roll No: _____

1. What is the work done in unit time?
A) Energy
B) Acceleration
C) Power
D) Force
2. How many watts for 1 horse power in British system?
A) 736 watts
B) 746 watts
C) 726 watts
D) 756 watts
3. Which alloy used in electric lamp as filament?
A) Tungsten
B) Cobalt
C) Silicon
D) Vanadium
4. 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) Ohm's law
D) Newton's law
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) 3740 Joules
B) 3750 Joules
C) 3720 Joules
D) 3730 Joules
6. What is the capacity of a body to do work is called?
A) Power
B) Force
C) Acceleration
D) Energy
7. What does EMF stands for?
A) Electronic Magnetic Force
B) Electromated Force
C) Electro Magnetic Force
D) Electro Motive Force
8. What is the ratio of power output to power input?
A) Energy
B) Acceleration
C) Efficiency
D) Work
9. 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
D) 1/17 ohms
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) 659 Joules
B) 649 Joules
C) 639 Joules
D) 669 Joules