Monthly Test December
December 2025

WCS EL A
Govt ITI Bidkalkatte

Q. ID: ITISKILL0668YE
Question Paper

Student: Sudheer
Score: 9/10 (90.00%)
Code: 8200

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 termperature 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 (Correct)

C) Electro Magnetic Force

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

B) Energy (Incorrect)

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

B) 649 Joules

C) 659 Joules

D) 669 Joules (Correct)