

17. How much watt second in 1 watt hour?

- A) 1000 watt sec B) 2000 watt sec
C) **3600 watt sec (Correct)** D) 4000 watt sec

18. What is the power if an emf of one volt causes a current flow of 1ampere?

- A) **1 watt** B) 1 kilowatt
C) 1 HP (Incorrect) D) 1 Kilowatt hour

19. Which is equal to electric power?

- A) $R^2 I$ watts B) **$I^2 R$ watts**
C) RI (Incorrect) D) IRA

20. How much power does it consumes if an electric heater draws a current of 10 amps at 200 volts?

- A) **2000 watts (Correct)** B) 2010 watts
C) 2020 watts D) 2030 watts

21. What is the resistance of an electric iron if the rating of electric iron is 220 V and 500 watts?

- A) 94.8 ohms (Incorrect) B) 95.8 ohms
C) **96.8 ohms** D) 97.8 ohms

22. What is the voltage of the immersion heater?

$P = 500$ watts

$I = 2.27$ Amps

$V = \underline{\hspace{2cm}}$ Volts

- A) 200.3 volts (Incorrect) B) 210.3 volts
C) **220.3 volts** D) 230.3 volts

23. What is the unit of intensity of magnetic field?

- A) **wb/m** B) m/wb
C) Hertz D) Coloumb (Incorrect)

24. Which law states about electromagnetic induction?

- A) Ohm's law B) Hooke's law
C) Lenz's law D) **Faraday's law (Correct)**

25. What is the formual for induced emf?

- A) $B^2 L \sin\theta$ volts B) $BL \sin\theta$ volts
C) **$BLV \sin\theta$ volts (Correct)** D) $B^2 V \sin\theta$ volts

26. What does EMF stands for?

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

27. Which is the example for statically induced emf?

- A) Generator B) Motor
C) **Transformer** D) Refrigerator (Incorrect)

28. Which is the example for dynamically induced Emf?

- A) Motor (Incorrect) B) **Generator**
C) Car D) Motor bike

29. Which is the unit electrical power?

- A) Volts (Incorrect) B) Ohms
C) **Watts** D) Ampere

30. What is the current Flow in the bulb?

$P = 550$ watts

$R = 22$ Ohms

$I = \underline{\hspace{2cm}}$ Amps

- A) 2 Amps B) 3 Amps
C) 4 Amps (Incorrect) D) **5 Amps**