



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 1 ampere?

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

19. Which is equal to electric power?

- A)  $R^2 I$  watts                      **B)  $I^2 R$  watts (Correct)**  
C) RI                                        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                              B) 95.8 ohms  
**C) 96.8 ohms (Correct)**                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                              B) 210.3 volts  
**C) 220.3 volts (Correct)**                D) 230.3 volts

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

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

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        **B) Electro Motive Force (Correct)**  
C) Electro Magnetic Force            D) Electromated Force

27. Which is the example for statically induced emf?

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

28. Which is the example for dynamically induced Emf?

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

29. Which is the unit electrical power?

- A) Volts                                        B) Ohms  
**C) Watts (Correct)**                        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                                      **D) 5 Amps (Correct)**