

PHYSICS

1).The Element of an electric heater is made of

- a) Nichrome
- b) Copper
- c) Aluminum
- d) None of these

2).When water is heated from 0° Celsius to 100° Celsius, the volume of water

- a) Increase gradually
- b) Decrease gradually
- c) First increase, then decrease
- d) First decrease , then increase

3).One mega watt hour (MWH) is equal to

- a) 3.6×10^3 joule
- b) 3.6×10^4 joule
- c) 3.6×10^7 joule
- d) 3.6×10^9 joule

4).At what temperature are the temperature on Celsius and Fahrenheit scales equal?

- a) 273° Celsius
- b) - 273° Celsius
- c) – 40° Celsius
- d) 40° Celsius

5).The Period of revolution round the sun is maximum by which among the following planets?

- a) Mercury

- b) Venus
- c) Earth
- d) Mars

6).Einstein got the Nobel prize for?

- a) Theory of Relativity
- b) Photo-electric effect
- c) Polarisation
- d) Radio activity

7).Galvanometer can be converted into a voltmeter by using

- a) Low resistance in series
- b) High resistance in series
- c) Low resistance in parallel
- d) High resistance in parallel

8).Gas law was given by

- a) Boyle
- b) Ostwald
- c) Arrhenius
- d) Faraday

9).Kilowatt – hour is a unit of

- a) Energy
- b) Power
- c) Electric charge
- d) Current

10).The ozone layer protects us from

- a) Ultra violet rays
- b) Radio waves
- c) Visual radiation
- d) Infrared radiation**

11).What will be the temperature of the maximum if 100 gm ice at 0°C is put in 100 gm water at 80°C ? (Latent heat of ice = 80 cal / gm)

- a) 35°C
- b) 45°C
- c) 60°C
- d) 0°C

12).Fire in the diesel engine is produces by which of the following?.

- a) Compression
- b) Spark plug
- c) Friction
- d) Self starter

13).With an increase in pressure the melting point of max will.

- a) Decrease
- b) Increase
- c) First increase and then decrease
- d) Remain Unaffected

14).Which among the following is the best conductor of electricity?

- a) Silver
- b) Copper
- c) Gold
- d) Lead

15).Which among the following order of decreasing wavelengths of electromagnetic waves is correct?

I. Radio waves II. Infrared rays III. Visible Light IV. X-Rays

- a) II, I, IV, III
- b) I, III, II, IV
- c) I, II, III, IV
- d) IV, III, II, I

16).Ampere-hour is the unit of which among the following?

- a) Power
- b) Energy
- c) Intensity of current
- d) Amount of charge

17).Who discovered X-Rays?

- a) Madam Curie
- b) Einstein
- c) Roentgen
- d) J. J. Thomson

18).Which among the following are primary colors?

- a) Red, Green, Blue
- b) Blue, Yellow, Green
- c) Red, Magenta, Yellow
- d) Yellow, Violet, Blue

19).At what temperature will the density of water be maximum?

- a) 0°C
- b) 32°C
- c) -4°C
- d) 4°C

20).Persistence of vision is the principle behind?

- a) Camera
- b) spectroscope
- c) Cinema
- d) Periscope