Physics Quiz PDF for Class 9 to 12

**Question 1** The atmosphere is heated mainly by

1. Radiation  
2. Convection  
3. Insolation  
4. Conduction

**Answer:** 3

**Question 2** Rate of change of momentum is called?

1. Speed  
2. Force  
3. Pressure  
4. Velocity

**Answer:** 2

**Question 3** Radiocarbon dating technique is used to estimate the age of

1. Soil  
2. Fossils  
3. Rocks  
4. Monuments

**Answer:** 2
**Question 4** The instrument used to measure the speed of the wind is

1. Chronometer
2. Dosimeter
3. Altimeter
4. Anemometer

**Answer: 3**

**Question 5** Which Instrument is used to measure the power of electric circuit?

1. Watt meter
2. Wave meter
3. Volt meter
4. Barograph

**Answer: 1**

**Question 6** Rainbow is produced when sunlight fall on drops of rain. Which of the following physical phenomena are responsible for this?

I. Diffusion
II. Refraction
III. Internal reflection

1. I and III
2. I, II and III
3. I and II
4. II and III

Answer: 4

Question 7 In a rechargeable cell what kind of energy is stored within the cell?

1. Chemical energy
2. Electrical energy
3. Potential energy
4. Kinetic energy

Answer: 1

Question 8 _____ Instrument is used for measuring sound under water?

1. Hypsometer
2. Hydrophone
3. Hygrometer
4. Hygroscope

Answer: 2

Question 9 Mica is used in electrical appliances such as electric iron because mica is

1. A bad conductor of heat as well as electricity
2. A bad conductor of heat but a good conductor of electricity
3. A good conductor of heat but a bad conductor of electricity
4. A good conductor of heat as well as electricity

**Answer: 3**

**Question 10** Which of the following has got more heat capacity?

1. Iron piece
2. Gold piece
3. Water
4. Benzene

**Answer: 3**

**Question 11** What is the unit for Viscosity?

1. Watt per meter per degree Celsius
2. Coulomb
3. Joule per kilogram per kelvin
4. Newton second per square meter

**Answer: 3**

**Question 12** Sir C.V. Raman was awarded Nobel Prize for his work connected with which of the following phenomenon of radiation?

1. Interference
2. Polarization
3. Scattering
4. Diffraction

**Answer: 3**

**Question 13** The energy stored in a watch spring is

1. Kinetic energy
2. Potential energy
3. Heat energy
4. Chemical energy

**Answer: 2**

**Question 14** AC Voltage in our household circuit ____. 

1. 230V
2. 135V
3. 220V
4. None of the above

**Answer: 1**

**Question 15** Radio telescopes are better than optical telescopes because

1. They can detect faint galaxies which no optical telescope can
2. They can work even in cloudy conditions
3. They can work during the day and night
4. All of the above

**Answer: 4**

**Question 16** ‘Therm’ is the unit of

1. Light
2. Distance
3. Power
4. Heat

**Answer: 4**

**Question 17** Out of the following pairs, which one does not have identical dimension?

1. Angular momentum and Planck’s constant
2. Impulse and Momentum
3. Moment of inertia and moment of a force
4. Work and Torque

**Answer: 3**

**Question 18** What should a person on a freely rotating turn table do to decrease his (angular) speed?

1. Spread his hands outwards
2. Sit down with raised hands
3. Bring his hands together
4. Raise his hands up

**Answer:** 1

**Question 19** Detergents clean surface on the principle of

1. floatation
2. Viscosity
3. surface tension
4. elasticity

**Answer:** 3

**Question 20** Which Instrument is used to measure depth of ocean?

1. Endoscope
2. Fathometer
3. Ammeter
4. Anemometer

**Answer:** 2