



# Pious Mission School, Arwal

**“Practice Examination”**

**Session : 2020-21**

**Time : 1 Hrs  
F.M : 40M**

Sub : Science

Class : IX

**(Physics)**

**Q. A) Answer the following questions in very short. (5)**

- 1) Change the speed of 5 m/s into km/hr.
- 2) Is displacement a scalar quantity ?
- 3) What type of motion is exhibited by a freely falling body ?
- 4) Acceleration is the rate of change of \_\_\_\_\_.
- 5) What is the function of odometer ?

**Q. B) Answer the following questions in detail. (10)**

- 1) A tortoise moves a distance of 100 metres in 15 minute. What is the average speed of tortoise in km/hr ?
- 2) Define motion. What do you understand by the term “Uniform motion” and “non-uniform motion” ?
- 3) Convert a speed of 54 km/hr into m/s.
- 4) What is the difference between speed and velocity ?
- 5) What is the difference between “distance travelled by a body” and its “displacement” ?

**(Chemistry)**

**Q. C) Very short question. (5)**

- 1) What are the conditions for ‘something’ to be called matter ?
- 2) When sugar is dissolved in water, there is no increase in the volume which characteristic of matter is illustrated by this observation ?
- 3) Name the physical state of matter which can be easily compressed.
- 4) The Kelvin temperature is 270K, what is the corresponding celsius scale temperature ?
- 5) Convert the temperature 373<sup>o</sup>c to the Kelvinscale.

**Q. D) Define the following. (4)**

- 1) Diffusion
- 2) Latent heat of fusion
- 3) Evaporation
- 4) Sublimation

**Q. E) Fill in the blanks. (6)**

- 1) The smell of perfume spreads across a room due to \_\_\_\_\_.
- 2) The arrangement of particles is less ordered in the \_\_\_\_\_.
- 3) Which state of matter behave as fluids \_\_\_\_\_.
- 4) Gases can be liquified by applying \_\_\_\_\_ and lowering \_\_\_\_\_.
- 5) Temp on Kelvin scale = Temp on celsius scale + \_\_\_\_\_.
- 6) During summer, water kept in an earthen pot becomes cool because of \_\_\_\_\_.

**(Biology)**

**Q. F) Short questions. (10)**

- 1) What has green revolution led to ?
- 2) What is white revolution led to ?
- 3) Which food items primarily supply proteins ?
- 4) Name any two fodder crops.
- 5) How many nutrients are essential for plants ?
- 6) Write the duration of Kharif and Rabi season.

- 7) What are photoperiods related to ?
- 8) Why do droughts occur ?
- 9) What is the main benefit of mixed cropping ?
- 10) What is green manure ?