

Name: _____ R. No. _____ Class/ Sec: _____ Date: _____ Invig. Sign _____

ATOMIC ENERGY CENTRAL SCHOOL, NARORA
CLASS IX SCIENCE PERIODIC TEST FIRST 2018-19

MM: 40

TIME : 1 Hr. 30 Min.

General Instructions:

- All questions are compulsory and marks are mentioned in front of each question.
- Electronic devices are prohibited to use in the examination.
- Use Blue or Black Pen only.
- Don't write answer or objectionable things on question paper.

PHYSICS (13 Marks)

1. Define Frame of reference. 1
2. If a car travel from town A to town B with speed of 40 km/hr and return back to town A with 60 km/hr. calculate the average speed of car. 2
3. Draw x-t graph for (a) rest (b) positive velocity (c) negative velocity (d) non-uniform motion. 2
4. Distinguish between Distance and Displacement. 3
5. Derive all the three equation of motion by graphical method. 5

Chemistry (13 marks)

1. Write four points of difference between solids and gases. 2
2. Why the water stored in an earthen pot becomes cool? 1
3. Why the burn caused by steam is more severe than the burn caused by hot water having the same temperature? 2
4. Why ice floats on water whereas other solids sink in their liquids? 2
5. List three characteristics of particles of matter. 3
6. List three conditions that affect the rate of evaporation of a liquid. 3

BIOLOGY (14 MARKS)

1. How does amoeba obtain its food? 1
2. Give an example of prokaryotic organism 1
3. State the function of chromosomes in a cell. 2
4. Draw a neat labeled diagram of a prokaryotic cell and label any four parts. 2
5. State two important functions of a nucleus in a cell. 2
6. Give the difference between plant cell and animal cell. 3
7. Write a brief note on chloroplasts. 3