

CLASS IX PHYSICS Revision Question Bank

1. Define the following quantities.

- a) Velocity (give its unit and formula)
- b) Speed (give its unit and formula)
- c) Acceleration (give its unit and formula)
- d) Uniform velocity and non uniform velocity
- e) Uniform speed and non uniform speed
- f) Uniform acceleration and non uniform acceleration

2. Derive the equations of motion using velocity-time graph.

3. Numericals given in the class notes .

4. Draw the following graphs and take practice with class notes.

Uniform speed (Distance time graph)

Non uniform speed (Distance time graph)

Uniform acceleration (velocity time graph)

Non uniform acceleration (velocity time graph)

Graph (v-t) to show that area under the graph gives the distance covered by the object

5. Write the difference between displacement and distance .

6. Write the difference between speed and velocity.

7. State first law of motion . Give an example.

8. State second law of motion. Give an example.

9. State third law of motion. Give an example.

10. State law of conservation of momentum. Explain the same with an example.

11.State universal law of gravitation.Give its application.

12.Show that the weight of the object on the moon is $\frac{1}{6}$ times the weight of the object on the earth.

13.Calculate the value of acceleration due to gravity g .

14.Define pressure.Give its formula.Give its unit.

15.What is called free fall object ?Give an example.

16.Difference between mass and weight.

17.Bouyancy and its application.

18.State Archimedes principle.

19.Relative density

20.All the numericals and activities given in the class work note book.