SSC

Science & Technology Part 1

Test – 1

Lesson 1 – Gravitation

Student Name –

School Name –

Division – Date – Marks – 15

Q 1 A) Choose the correct alternate from the given options. **3**

1) SI unit of G is -----

A) Nm^2/kg^2 B) Nm/kg C) $N^2m^2kg^2$ **D)** Nm/s^2

2) With uniform density, centre of mass is at ------

A) Edge B) Corner C) Vertice **D)** Centroid

3) Gravitation was invented by -----

A) Kepler **B)** Newton C) Galileo D) Einstein

B) Find co-related terms. **1**

1) Planetary motion : Kepler :: Gravitaion :

Q 2 Complete the paragraph. **3**

1) Complete the paragraph: (Drag and drop)

(centroid | uniform | circular | mass | spherical | assumed | fixed | point)

The centre of mass of an object is the _____ inside or outside the object at which the total _____ of the object can be _____ to be concentrated. The centre of mass of a _____ object having _____ density is at its geometrical centre. The centre of mass of any object having uniform density is at its _____

Q 3 Write answer based on given diagram/figure. **3**

1) Observe the diagram and answer the question.



1) Name of the force and the scientist who discovered it?

2) Book written by this scientist.

3) Define the famous law given by this scientist.

LIVEWORKSHEETS