FORMATIVE ASSESSMENT-1

CHAPTER-1, 2 : MATTER IN OUR SURROUNDINGS, MOTION

Name:…… Section:…… Roll No:…….. Max.Marks:20

……

I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

1) Explain an activity to observe difference between the rate diffusion of two gases with a diagram.

2) Define uniform acceleration. Write the equations of motion of a body moving with uniform acceleration.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

3) How does evaporation useful in our daily life?

4) The following table give information about the distances travelled by a body in particular times. Interpret about the motion of that body.

Time (t) in seconds	0	1	2	3	4
Distances (d) in meters	0	4	9	15	24

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

5) Why it is easy to drink tea in a saucer than a cup?

6) A car was travelling with a speed of 54 Km/h. What is the speed of that car in m/s.

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

7) Potassium permanganate formula [ ]

A. $KMnO_4$ **B.** $K_2Cr_2O_7$ **C.** $KClO_3$ **D.** K_2MnO_4

8) This diffuses from blood to lungs in human body [ ]

A. Hydrogen **B.** Nitrogen **C.** Oxygen **D.** Carbon dioxide

9) This follow compressibility [ ]

A. Gas **B.** Liquid **C.** Solid **D.** None of these

10) The distance travelled by a body in particular direction is ……. [ ]

A. Velocity **B.** Displacement **C.** Acceleration **D.** Deceleration

11) A goat ran with 4 m/s along a circular park having radius 7m. It completed one complete rotation. What is its displacement ……. [ ]

A. 44m **B.** 0 m **C.** 22m **D.** 28m

12) This has no direction [ ]

A. Velocity **B.** Displacement **C.** Acceleration **D.** Length

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