SCHOOL BASED ASSESSMENT 2024-25

Mid-Term

Science Grade 7

[Paper A: 15 Marks, Paper B: 35 Marks, Total: 50 Marks] , Time = 1 Hour 30 Minutes

School Name: _____

Student Name : _____ Roll Number : _____ Section : _____

OBJECTIVE PART(MCQs)

Question No.1 : The method in which zinc coating is applied over iron or steel products is called:

(a) paint coating (b) oil coating (c) galvanizing (d) alloy formation

Question No.2 : How many pairs of electrons are required for the triple covalent bond?

(a) One (b) Two
(c) Three (d) Four

Question No.3 : A substance which can be dissolved in a solvent, is said to be ___ in that solvent.

(a) insoluble (b) soluble (c) mixture (d) solvent

Question No.4 : Which of the following substances acts as solvent in an amalgam solution?

(a) Tin (b) Gold (c) Copper (d) Mercury

Question No.5 : Solubility is helpful to achieve the desired concentration of the drugs in solutions, which is why it is considered important in_____ industry.

(a) petroleum (b) pharmaceutical (c) textile (d) paint

Question No.6 : Gravitational force is an example of:

(a) contact force (b) non-contact force
(c) mechanical force (d) frictional force

Question No.7 : The direction of motion of the ball changes due to:

(a) force (b) velocity (c) speed (d) acceleration

Question No.8 : The formula to calculate the time period is:

(a) $\frac{1}{t}$ (b) $\frac{1}{f}$ (c) $\frac{1}{n}$ (d) $\frac{1}{h}$

Question No.9 : Which of the following is electromagnetic wave?

(a) Sound wave (b) Radio wave (c) Water wave (d) String wave

Question No.10 : An object produces a sound of low pitch because it vibrates with:

(a) high amplitude (b) low amplitude
(c) high frequency (d) low frequency

SUBJECTIVE PART(CRQs)

Question No: 11

a) Define solubility. (2 Marks)

b) Write any two differences between a saturated and unsaturated solution. (2+2=4 Marks)

c) State any four applications of solubility in our daily life. (4 Marks)

Question No: 12

a) Define contact forces. (2 Marks)

b) Write three examples of contact forces. (3 Marks)

c) Explain how action and reaction are equal in magnitude but opposite in direction with the help of an example. (5 Marks)

Question No: 13

a) Write two examples of mechanical waves. (2 Marks)

b) Write down the audible frequency ranges of the organisms given below. (7 Marks)
1. Human beings 2. Dog 3. Cow 4. Cat 5. Owl 6. Dolphin 7. Rabbit

c) Define wavelength, frequency and time period of a wave. (6 Marks)