



Periodic Assessment - I : 2021-22

Student Name					
Date		Grade	IX	Roll No.	
Subject	Science	Marks	50	Teacher's Sign	

GENERAL INSTRUCTION:

- The question paper contains 3 sections. Attempt all the section
- All questions are compulsory
- Section A contains one word answer question.
- Section B contains very short answer question.
- Section C contains short answer question

SECTION – A

Answer the following in one word:

[5 Marks]

- 1) Chromosomes are made up of
 - (a) DNA
 - (b) Protein
 - (c) DNA and protein
 - (d) RNA
- 2) Which of these is not related to endoplasmic reticulum?
 - (a) It behaves as a transport channel for proteins between nucleus and cytoplasm.
 - (b) It transports materials between various regions in the cytoplasm.
 - (c) It can be the site of energy generation.
 - (d) It can be the site for some biochemical activities of the cell.
- 3) Which of the following statement is correct?
 - (a) boiling is a bulk phenomenon and evaporation is a surface phenomenon
 - (b) boiling is a surface phenomenon and evaporation is a bulk phenomenon
 - (c) boiling and evaporation both are surface phenomenon
 - (d) boiling and surface both are bulk phenomenon
- 4) Rate of change of displacement is called
 - (a) Speed
 - (b) Deceleration
 - (c) Acceleration
 - (d) Velocity
- 5) Acceleration is a vector quantity, which indicates that its value
 - (a) Is always negative
 - (b) Is always positive
 - (c) Is zero
 - (d) Can be positive, negative or zero

SECTION – B

Answer the following in short:

[18 Marks]

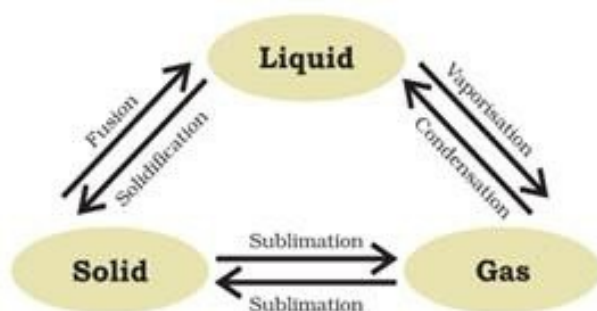
- 6) Why is plasma membrane called a selectively permeable membrane?
- 7) Write two difference between prokaryotic and eukaryotic cells.
- 8) Do you agree that “A cell is a building unit of an organism”. If yes explain why?
- 9) What does the odometer of an automobile measure?
- 10) An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.?
- 11) Distinguish between speed and velocity
- 12) What is evaporation? What are the factors affecting it?
- 13) Convert the following temperatures to the Celsius scale.
(a) 293K (b) 470K.
- 14) A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?

SECTION – C

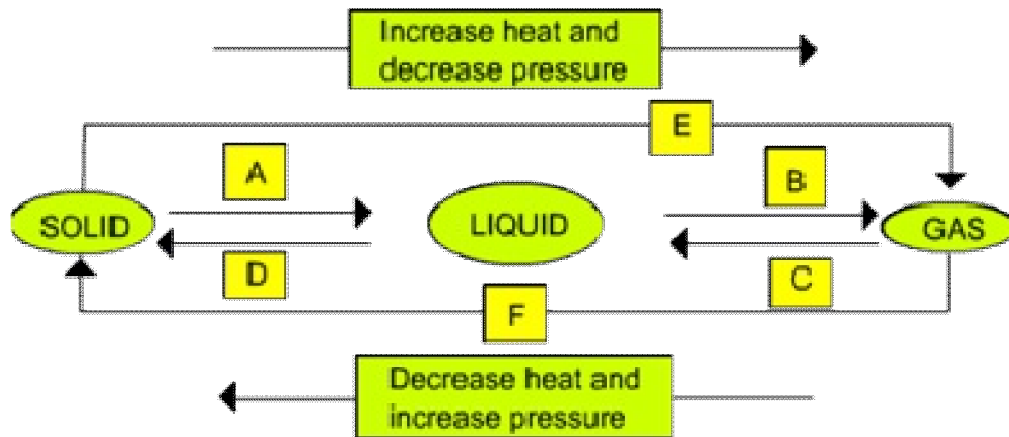
Answer the following questions in brief:

[27 Marks]

- 15) How does an *Amoeba* obtain its food?
- 16) Make a comparison and write down the three ways in which plants are different from animals
- 17) What would happen to the life of a cell if there was no Golgi apparatus?
- 18) A farmer moves along the boundary of a square field of side 10 m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds?
- 19) When will you say a body is in
 1. uniform acceleration
 2. non-uniform acceleration
- 20) A train starting from a railway station and moving with uniform acceleration attains a speed 40 kmh^{-1} in 10 minutes. Find its acceleration
- 21) Give two reasons to justify—
 - a) water at room temperature is a liquid.
 - b) an iron nail is a solid at room temperature.
- 22) Are the three states of matter inter-convertible? How can they inter connect?



23) A, B,C,D,E and Fin the following diagram showing change in its state



***** Best of Luck *****