



ANGEL'S PUBLIC SCHOOL

SAMPLE PAPER

PERIODIC TEST – I SESSION 2025 - 26

CLASS – IX

TIME : 1 hr. : 30 min.

SUBJECT – SCIENCE

M.M = 40

General Instruction.

- (a) All questions are compulsory.
- (b) Section – A contains ten multiple choice questions of 1 mark each.
- (c) Section B contain three questions of 2 marks each.
- (d) Section – C contain three questions of 3 marks each.
- (e) Section – D contains three questions of 5 marks each.

SECTION – A

1. Choice the correct option:

- (a) _____ coined the term “cell.”
 - (i) Gorbache
 - (ii) Himmler
 - (iii) Robert Hooke
 - (iv) Leeuwenhoek
- (b) _____ is called the energy currency of the cell.
 - (i) Endoplasmic reticulum
 - (ii) Oxygen
 - (iii) ATP
 - (iv) Mitochondria
- (c) Which plastids are colourless?
 - (i) Chromoplasts
 - (ii) Chloroplast
 - (iii) Leucoplasts
 - (iv) All of the above
- (d) _____ is called the powerhouse of the cell.
 - (i) Mitochondria
 - (ii) ATP
 - (iii) Lysosomes
 - (iv) Red blood cells
- (e) The physical state of water at 100 degree Celsius is
 - (i) liquid
 - (ii) vapour
 - (iii) both liquid and vapour
 - (iv) none of these
- (f) Which of the following is an example of diffusion?
 - (i) Smell of cake
 - (ii) Aquatic animals use dissolved oxygen
 - (iii) Fragrance of incense smoke
 - (iv) All of the above
- (g) Which of the following about solid state is incorrect?
 - (i) Have a definite shape
 - (ii) Fixed volume
 - (iii) Difficult to change shape
 - (iv) Compressibility
- (h) Odometer of an automobile measures:
 - (i) distance
 - (ii) speed
 - (iii) velocity
 - (iv) all of the above
- (i) If the velocity of an object decreases with time, then the acceleration of the object is called
 - (i) positive acceleration
 - (ii) negative acceleration
 - (iii) uniform acceleration
 - (iv) none of these
- (j) A car accelerates uniformly from 18km/s to 36 km/s in 5 seconds. The acceleration of the car is
 - (i) 1m/sec²
 - (ii) 2m/sec²
 - (iii) 2.5m/sec²
 - (iv) 5m/sec²

SECTION – B

2. How do substances like CO₂ and water move in and out of the cell? Discuss.
3. Write the difference between distance and displacement.
4. Define latent heat of vaporization.

SECTION – C

5. Differentiate between eukaryotic and prokaryotic cells.
6. A bus starting from rest, moves with a uniform acceleration of 4 m/sec² for 2 minutes. Find-
(a) speed of the bus. (b) distance travelled.
7. When ice is heated and a thermometer is inserted inside the vessel, the reading of the thermometer remains constant at zero degree Celsius till all the ice melts. Explain this phenomenon.

SECTION – D

8. (a) Write a short note on:
(i) Endoplasmic reticulum (ii) Lysosome
(b) Draw a well labelled diagram of plant cell.
9. Draw a distance - time graph for uniform and non- uniform motion of an object.
10. Draw the repeated dilution method to show that matter is made up of tiny particles.