

SET A

O.P.JINDAL SCHOOL, SAVITRI NAGAR
PERIODIC TEST –I (Round-2) (2024-25)

CLASS-IX
SUBJECT-SCIENCE

MAX.MARKS-20
MAX.TIME-1HOUR

General Instruction:-

- (i) All questions are compulsory .There are 12 questions in this question paper with internal choice.
- (ii) **SECTION –A:** Question numbers 1 to 6 are MCQs , carrying 1 mark each.
- (iii) **SECTION –B:** Question numbers 7 to 10 are short answer questions carrying 2 marks each.
- (iv) **SECTION –C:** Question numbers 11 and 12 are long questions carrying 3marks each.
- (v) There are internal choices in some of the questions of section B and section C

SECTION-A

- Q1.** Newton's first law is also called
(a) Law of momentum (b) Law of gravitation
(c) Law of inertia (d) Law of conservation of energy
- Q2.** Which type of force causes change in position of a body?
(a) Balance force (b) Unbalanced Force
(c) Frictional force (d) Spring Force
- Q3.** Which of the following property does not describe a compound?
(a) It is composed of two or more elements
(b) It is a pure substance.
(c) It cannot be separated into constituents by physical means
(d) It is mixed in any proportion by mass
- Q4.** The component of solution that dissolved in solvent called
(a) Solute (b) Sugar
(c) Solvent (d) Mixture
- Q5.** Which of the following plastids imparts red colour to apple ?
(a) Chloroplast (b) chromoplast
(c) amyloplast (d) leucoplast
- Q6.** The cell organelle involved in forming complex sugars from simple sugars are
(a) Endoplasmic reticulum (b) ribosomes
(c) plastids (d) golgi apparatus

SECTION B

- Q7.** A particle moving with an initial velocity of 8m/s is subjected to a uniform acceleration of 2.5m/s^2 . Find the displacement in the next 4 sec.

OR

A particle having initial velocity of 5m/s moves along a straight line with a constant acceleration of 0.2m/s^2 . Find the displacement of the particle in 15s?

Q8. A solution of urea in water contains 16 grams of it in 120 grams of solution. Find out the mass percentage of the solution.

Q9. Non-metals are usually poor conductors of heat and electricity. They are non-lustrous, non-sonorous, non-malleable and are coloured.

(i) Name two lustrous non-metal.

(ii) Name two elements which exist as a liquid at room temperature.

(iii) Name a non-metal which is a good conductor of electricity.

Q10. Why do plant cells possess large sized vacuoles?

OR

(i) Name the two organelles in a plant cell that contain their own genetic material and ribosomes.

(ii) What is membrane biogenesis?

Q11. (i) State Newton's first law of motion.

(ii) Write the difference between balanced and unbalanced forces.

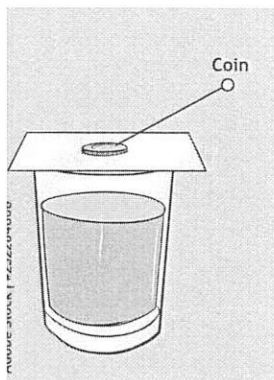
(iii) Which will have more inertia: A train or bicycle?

OR

(i) What will you observe in the below case when the cardboard is flicked with the finger?

(ii) Give Reason for it.

(iii) Name the law involved in this case.



Q12. Describe the structure of mitochondria with special reference to its membrane covering.

OR

What are the different types of Endoplasmic reticulum? Write the function of each.
