



SCIENCE

Grade 10

Champion

Test No:11

Time: 30 Minutes

PART - I

• Answer all the Questions.

- What is the simplest amino acid?
i) Glycine ii) Hemoglobin iii) Keratin iv) Albumin
- The appearance of red purple spots on the leaves of a certain plant is a deficiency of element?
i) Nitrogen ii) Phosphorous iii) Sulphur iv) Iron
- Not a biomolecule.
i) Protein ii) Water iii) Nucleic acid iv) Oxygen
- Select the answer with only the vector Quantities.
i) Displacement, Distance ii) Velocity, Weight
iii) pressure, Velocity iv) Acceleration, Speed
- What force must be applied to an object with the mass of 10 kg to achieve an acceleration of 3 ms^{-2} ?
i) 3N ii) 7N iii) 13N iv) 30N
- Below given is a diagram related to the motion of a child who started traveling from a place A and travelled through B to C. The distance and displacement of the child is.

i) 17m, 13m to Northwest
ii) 13m, 17m to Northwest
iii) 17m, 13m to Southeast
iv) 13m, 17m to Southeast
- The carbonate of an element M is $\text{M}_2(\text{CO}_3)$. What is the chemical formula of the chloride of the same element?
i) MCl_3 ii) MCl_2 iii) MCl iv) M_2Cl
- The electron configuration of a element is 2,8,5. The position of the element in the periodic table is?
i) Period 5 Group III ii) Period 3, Group III
iii) Period 3, Group IV iv) Period 5, Group II
- A chemical property of metals is,
i) Malleable ii) Oxides are alkaline
iii) Good thermal and electrical conductor iv) High density
- The following figure shows how forces act on an object. The force denoted by X is. (Resultant force = 28N)
i) $15\text{N} + 28$ ii) $28\text{N} - 15\text{N}$
iii) 28N iv) 15N



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