



TARGET : NEET (UG) 2024

Course : SARANSH (Youtube Live CRASH COURSE)

BIOLOGY

DPP

DAILY PRACTICE PROBLEMS

DPP NO. 1

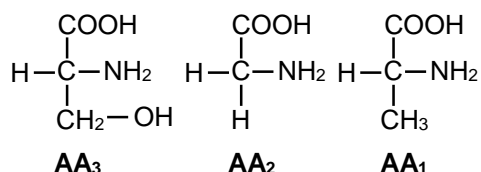
ZOOLOGY: Biomolecules

DPP No. : 1

- Which elements are abundantly found in living organism in comparison to earth crust?
 (1) Carbon (2) Hydrogen (3) Oxygen (4) All of these
- To analyse chemical composition of living tissue, we solubilise them in
 (1) HNO_3 (2) HCl (3) CF_3COOH (4) CCl_3COOH
- _____ of the total cell mass is formed by ions.
 (1) 1% (2) 2% (3) 3% (4) 4%
- Percentage of oxygen in human body is
 (1) 65% (2) 46.6% (3) 18.5% (4) 3.3%
- Which of the following is not a macromolecule?
 (1) Nucleic acid (2) Polysaccharides (3) Lipids (4) Proteins
- Select the incorrect statement from the following:
 (1) Elemental analysis of living tissues gives elemental composition of living tissue
 (2) Analysis of chemical compound of living tissue gives an idea of organic and inorganic constituent of living tissue
 (3) Weight of small amount of living fresh tissue is known as wet weight
 (4) Acid soluble pool contains lipids, nucleic acid, polysaccharide only
- Monomeric unit of cellulose is
 (1) glucose (2) fructose (3) mannose (4) ribose
- Which of the following is homopolysaccharide?
 (1) Cellulose (2) Inulin (3) Starch (4) All
- Which of the following bond formed by dehydration?
 (1) Peptide bond & hydrogen bond (2) Peptide bond & glycosidic bond
 (3) Glycosidic bond (4) All of these

10. Which of the following is wrong about protein?
- (1) Protein is a polymer of amino acids, which are joined by peptide bond.
 - (2) A protein is imagined as a line, the left end represented by the first amino acid and right end represented by last amino acid
 - (3) The first amino acid is called as N-terminal amino acid while last amino acid is called as C-terminal amino acid
 - (4) Protein is a homo-polymer.

11.



The correct names of these amino acids are–

	AA ₁	AA ₂	AA ₃
(1)	Glycine	Serine	Alanine
(2)	Alanine	Glycine	Serine
(3)	Serine	Glycine	Alanine
(4)	Serine	Alanine	Glycine

12. An amino acid is a
- (1) Substituted methane
 - (2) Substituted ethane
 - (3) Any acid having amino group
 - (4) Derivative of indoacetic acid
13. Which of the following statement is correct about amino acid?
- (1) These are substituted methanes.
 - (2) In these amino (–NH₂) and carboxyl (–COOH) group are of ionisable nature.
 - (3) Based on the nature of R-group there are many amino acids
 - (4) All of the above correct
14. Monosaccharide is
- (1) Pentose Sugar
 - (2) Hexose Sugar
 - (3) Glucose
 - (4) All of these
15. Which is not the example of secondary metabolite?
- (1) Pigments
 - (2) Alkaloids
 - (3) Protein
 - (4) Terpenoides
16. Which of the following secondary metabolites are used as drugs?
- (1) Abrin and ricin
 - (2) Vinblastin and curcumin
 - (3) Anthocyanins
 - (4) Gums and cellulose

17. Decreasing order of amount of organic compound in animal body-
- (1) Carbohydrate, Protein, Fat and Nucleic acid
 - (2) Protein, Fats, Nucleic acid and Carbohydrate and nucleic acid
 - (3) Protein, Nucleic acid, Carbohydrate, fats
 - (4) Carbohydrate, Fats, Proteins and Nucleic acid
18. Some proteins and their characteristics are listed below choose the **incorrect** option.
- (1) Carbonic anhydrase – Enzyme
 - (2) Collagen – Most abundant in biosphere
 - (3) GLUT- 4 – Enables glucose transport into cells
 - (4) Antibody – Protection from infectious agents
19. Amino acids that contain sulphur are
- (1) Arginine, Lysine
 - (2) Cysteine and Methionine
 - (3) Valine and Glutamine
 - (4) Tryptophan and Methionine
20. An α helix is the example of which type of protein structure?
- (1) Primary
 - (2) Secondary
 - (3) Tertiary
 - (4) Quaternary