

NEET BIOLOGY

Topic: Biomolecules

01. The following pair of elements are relatively abundant in living organisms than in earth's crust
- (a) Oxygen Nitrogen
 - (b) Magnesium, Carbon
 - (c) Carbon, Sodium
 - (d) Carbon, Hydrogen
02. Which of the following organic compound is used in chemical analysis ?
- (a) Benzoic acid
 - (b) Glacial acetic acid
 - (c) Trichloro acetic acid
 - (d) Sulphuric acid
03. Organic compounds containing an amino group and acidic group as substituents on the same carbon atom are called
- (a) Fatty acids (b) Nucleic acids
 - (c) Amino acids (d) Carbohydrates
04. The total number of amino acids which occur in proteins
- (a) 10 (b) 20 (c) 200 (d) 24
05. In which of the following amino acid 'R' group is a "Hydroxy methyl" moiety ?
- (a) Serine (b) Glycine
 - (c) Alanine (d) Valine

06. Which of the following amino acid is neutral in nature
- (a) Glutamic acid (b) Asparatic acid
(c) Valine (d) Lysine
07. Find the odd type of amino acid from the following
- (a) Phenylalanine (b) Tyrosine
(c) Tryptophan (d) Glycine
08. Which of the following type of biomolecules upon ionization form zwitter ions
- (a) Carbohydrates (b) Nucleic acids
(c) Amino acids (d) Vitamins
09. The number of carbon atoms in palmitic acid and stearic acid respectively
- (a) 20, 16 (b) 16, 18
(c) 18, 20 (d) 14, 16
10. "Trihydroxy Propane" is an example for
- (a) Derived lipids (b) Conjugated lipids
(c) Simple lipids (d) All the above
11. The number of fatty acid molecules in triglyceride is
- (a) One (b) Two
(c) Three (d) Four
12. Phosphatidyl choline is an example for
- (a) Derived lipid (b) Conjugated lipid
(c) Simple lipid (d) Steroids

13. Nitrogen base seen in lecithin is
- (a) Ethanol amine (b) Serine
(c) Choline (d) Sphingosine
14. Lecithin consists of
- (a) Glycerol molecule, one fatty acid, phosphoric acid, choline
(b) Glycerol molecule, two fatty acids, choline
(c) Glycerol molecule, two fatty acids, phosphoric acid, choline
(d) Sphingosine, two fatty acids, phosphoric acid, choline
15. "Anthocyanin" is a type of
- (a) Terepenoid (b) Toxins
(c) Drug (d) Pigment
16. "Ricin, Abrin" belong to which category of secondary metabolites ?
- (a) Lectins (b) Toxins
(c) Alkaloids (d) Essential oils
17. Rubber, gums, cellulose are examples for
- (a) Polymeric substances
(b) Pigments
(c) Essential oils
(d) Drug
18. Binding of symbiotic nitrogen fixing bacteria to the surface of root hair cell is promoted by the following substance
- (a) Vinblastin (b) Curcumin
(c) Codeine (d) Concanavalin A

19. The molecular weight of bio macromolecules found in acid soluble pool ranges between

- (a) 14 to 18 Da (Daltons)
- (b) 18 to 200 Da
- (c) 18 to 800 Da
- (d) 200 to 400 Da

20. The molecular weight of organic compounds found in acidinsoluble is

- (a) one thousand Dalton
- (b) ten thousand Dalton
- (c) more than ten thousand Daltons
- (d) less than ten thousand Daltons

21. The function of GLUT-4 is

- (a) It promotes glucose transport
- (b) It protects the body from infectious agents
- (c) It acts as an enzyme
- (d) None of the above

22. Most abundant protein in the whole biosphere is

- (a) Collagen
- (b) Myosin
- (c) RUBISCO
- (d) Actin

23. Reducing sugars are characterised by the presence of free

- (a) Aldehyde or Keto group
- (b) Aldehyde and Keto group
- (c) Keto group only
- (d) All the above

24. Glucose is
- (a) Furanose, pentose sugar
 - (b) Pyranose, pentose sugar
 - (c) Ketose, hexose sugar
 - (d) Aldose, hexose sugar
25. Inulin is a polymer of
- (a) Ribulose
 - (b) Glucose
 - (c) Fructose
 - (d) Ribose
26. Which of the following polysaccharide is a component of paper ?
- (a) Glycogen
 - (b) Hemicellulose
 - (c) Cellulose
 - (d) Podin
27. Organic acids having a hydrocarbon chain and end in a carboxylic group are called
- (a) amino acids
 - (b) Fatty acids
 - (c) Nucleic acids
 - (d) Vitamins
28. Which of the following is an example for unsaturated fatty acid
- (a) Palmitic acid
 - (b) Stearic acid
 - (c) Archidonic acid
 - (d) Linoleic acid
29. Which of the following polysaccharide gives blue colour with Iodine
- (a) Glycogen
 - (b) starch
 - (c) Cellulose
 - (d) Chitin
30. Exoskeleton of arthropods contains a complex hetero polysaccharide called
- (a) Pectin
 - (b) Chitin
 - (c) Cellulose
 - (d) Starch

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	D	C	C	B	A	C	D	C	B	C
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	C	B	C	C	D	B	A	D	C	C
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	A	C	A	D	C	C	B	D	B	B

