

# PYQSide

## NEET BIOMOLECULES (BIOLOGY) — NATURE OF BOND LINKING MONOMERS IN A POLYMER — PYQS

Max. Marks: 20

Questions: 5

### Section A (MCQ)

**Q.1** Match **List I** with **List II**:

| List - I |          | List - II |                     |
|----------|----------|-----------|---------------------|
| A.       | Lipase   | I.        | Peptide bond        |
| B.       | Nuclease | II.       | Ester bond          |
| C.       | Protease | III.      | Glycosidic bond     |
| D.       | Amylase  | IV.       | Phosphodiester bond |

Choose the correct answer from the options given below :

[NEET (UG) 2024]

- (1) A-IV, B-II, C-III, D-I (2) A-III, B-II, C-I, D-IV  
(3) A-II, B-IV, C-I, D-III (4) A-IV, B-I, C-III, D-II

Scan or tap for the  
full solution



**Q.2** A dehydration reaction links two glucose molecules to produce maltose. If the formula for glucose is  $C_6H_{12}O_6$  then what is the formula for maltose?

[NEET (UG) 2022]

- (1)  $C_{12}H_{20}O_{10}$  (2)  $C_{12}H_{24}O_{12}$   
(3)  $C_{12}H_{22}O_{11}$  (4)  $C_{12}H_{24}O_{11}$

Scan or tap for the  
full solution



**Q.3** Match **List-I** with **List-II**.

| List-I |                        | List-II |                      |
|--------|------------------------|---------|----------------------|
| a.     | Protein                | i.      | C=C double bonds     |
| b.     | Unsaturated fatty acid | ii.     | Phosphodiester bonds |
| c.     | Nucleic acid           | iii.    | Glycosidic bonds     |
| d.     | Polysaccharide         | iv.     | Peptide bonds        |

Choose the correct answer from the options given below.

[NEET (UG) 2021]

- (1) (a)-(iv), (b)-(iii), (c)-(i), (d)-(ii)  
(2) (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)  
(3) (a)-(i), (b)-(iv), (c)-(iii), (d)-(ii)  
(4) (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)

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full solution



**Q.4** Identify the substances having glycosidic bond and peptide bond, respectively in their structure

[NEET (UG) 2020]

- (1) Glycerol, trypsin (2) Cellulose, lecithin  
(3) Inulin, insulin (4) Chitin, cholesterol

Scan or tap for the  
full solution



**Q.5** Which of the following biomolecules does have a phosphodiester bond?

[AIPMT 2015]

- (1) Amino acids in a polypeptide  
(2) Nucleotides in a nucleic acid  
(3) Fatty acids in a diglyceride  
(4) Monosaccharides in a polysaccharide

Scan or tap for the  
full solution



### ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 |  |  |  |  |  |  |
|-------|---|---|---|---|---|--|--|--|--|--|--|
| Ans.  | 3 | 3 | 2 | 3 | 2 |  |  |  |  |  |  |