

NEET CHEMISTRY

Topic: Polymers

- Q.1** Which of the following is not a copolymer-
- (1) Plexiglass (2) Buna-S
(3) Nylon-66 (4) Dacron
- Q.2** Polymerisation in which two or more chemically different monomers take part is called-
- (1) Addition polymerisation
(2) Copolymerisation
(3) Chain polymerisation
(4) Homopolymerisation
- Q.3** Chemical name of melamine is-
- (1) 2,4-Diamino-1,3,5-triazine
(2) 2-Amino-1,3,5-triazine
(3) 2,4,6 -Triamino-1,3,5-triazine
(4) 1,3,5-Triamino-2,4,6-triazine
- Q.4** Carprolactum is used to prepare which of the polymer-
- (1) Nylon – 66 (2) Melamine
(3) Nylon – 6 (4) PMMA
- Q.5** The fibre obtained by the condensation of hexamethylene diamine and adipic acid is-
- (1) Dacron
(2) Nylon 66
(3) Rayon
(4) Teflon

Q.6 Of the following which is a step growth polymer-

- (1) Bakelite (2) Polyethylene
(3) Teflon (4) PVC

Q.7 Perlon is:

- (1) Rubber (2) Nylon
(3) Terylene (4) Orlon

Q.8 Nylon-6, 6 is made by the polycondensation of:

- (1) Adipic acid + Hexamethylene diamine
(2) Phthalic acid + Glycerol
(3) Phenol + Formaldehyde
(4) Urea + Formaldehyde

Q.9 An example of a natural biopolymer is-

- (1) Teflon (2) Neoprene
(3) Nylon-66 (4) DNA

Q.10 Natural silk is a-

- (1) Polypeptide (2) Polyacrylate
(3) Polyester (4) Polysaccharide

Q.11 Peptide bond is a key feature in-

- (1) Polysaccharide (2) Proteins
(3) Nucleotide (4) Vitamins

Q.12 Neoprene rubber is obtained by the polymerization of :

- (1) 1, 3-Butadiene
(2) 2- Methyl -1, 3-butadiene
(3) 2- Chloro -1, 3 butadiene
(4) Styrene and butadiene

Q.13 Which of the following is not a natural polymer

- (1) Starch
- (2) Cellulose
- (3) Glyptal
- (4) Glycogen

Q.14 Which of the following is natural polymer:

- (1) Polyisoprene
- (2) Polybutadiene
- (3) Polyethylene terephthalate
- (4) Polyethylene

Q.15 The example of thermosetting plastic and thermoplastic polymer respectively is-

- (1) Polystyrene, polyvinyl chloride
- (2) Bakelite, polystyrene
- (3) Polythene, polyacrylonitrile
- (4) Polystyrene, urea formaldehyde resin

Q.16 Which of the following is wrong:

- (1) PMMA is called plexiglass
- (2) PTFE is called teflon
- (3) SBR is called natural rubber
- (4) LDPE is called low density polyethylene

Q.17 Which is not a rubber polymer-

- (1) Neoprene
- (2) Gutta percha
- (3) Buna-S
- (4) P.M.M.A.

Q.18 Match List – I [polymers] with List – II [monomers] and choose the correct answer from the codes given below the list-

List-I [Polymer] List-II [Monomer]

A. P.A.N. **a.** Chloroethene

B. Natural rubber **b.** Caprolactum

C. Nylon-6 **c.** Isoprene

D. P.V.C. **d.** Acrylonitrile

Code is-

- | | A | B | C | D |
|-----|---|---|---|---|
| (1) | d | c | b | a |
| (2) | a | b | c | d |
| (3) | c | d | a | b |
| (4) | b | a | c | d |

Q.19 Which of the following is an addition polymer:

- (1) SBR (2) Glyptals
(3) Terylene (4) Nylons

Q.20 Which of the following fibres is a polyamide-

- (1) Orlon (2) Nylon-6
(3) Dacron (4) Rayon

Q.21 Formaldehyde is not used in the manufacture of the following polymer-

- (1) Bakelite
(2) Nylon-6
(3) Urea resin
(4) Melamine resin

Q.22 Which is a naturally occurring polymer-

- (1) Polyethene (2) PVC
(3) Teflon (4) Protein

Q.23 Natural fibre is-

- (1) Starch (2) Cellulose
- (3) Rubber (4) Nylon-6

Q.24 Monomer of polystyrene is-

- (1) Vinyl benzene
- (2) Divinyl benzene
- (3) Ethyl benzene
- (4) Butyl benzene

Q.25 The fibre used for the manufacture of chords and carpets is-

- (1) Polyethylene
- (2) Polypropylene
- (3) Polyacrylonitrile
- (4) Polyvinyl chloride

Q.26 Synthetic polymer which resembles natural rubber is-

- (1) Neoprene
- (2) Chloroprene
- (3) Glyptal
- (4) None of these

Q.27 Which one of the following pairs is not correctly matched-

- (1) Terylene-condensation polymer of terephthalic acid and ethylene glycol
- (2) Teflon-thermally stable cross linked polymer of phenol and formaldehyde
- (3) Plexiglass homopolymer of methyl methacrylate
- (4) Synthetic rubber-A copolymer of butadiene and styrene

Q.28 Which is not the example of addition polymer-

- (1) Glyptal (2) Polypropylene
- (3) Polystyrene (4) Polyvinyl chloride

Q.29 Caprolactam is obtained by the Beckmann rearrangement of the compound-

- (1) Cyclohexanone-oxime
- (2) Benzophenone-oxime
- (3) Acetone-oxime
- (4) Propionaldehyde-oxime

Q.30 Teflon is a polymer of:

- (1) Tetra-fluoroethylene
- (2) Tetra-bromoethylene
- (3) Tetra-iodoethylene
- (4) Tetra-chloroethylene

ANSWER KEY

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