

# PYQSide

## NEET POLYMERS — CLASSIFICATION — PYQS

Max. Marks: 28

Questions: 7

### Section A (MCQ)

**Q.1** Which statement regarding polymers is not correct?

[NEET (UG) 2022]

- (1) Elastomers have polymer chains held together by weak intermolecular forces
- (2) Fibers possess high tensile strength
- (3) Thermoplastic polymers are capable of repeatedly softening and hardening on heating and cooling respectively
- (4) Thermosetting polymers are reusable

Scan or tap for the full solution



**Q.2** Which among the following is a thermoplastic polymer?

[NEET (UG) 2022 (Phase 2)]

- (1) Melamine polymer
- (2) Bakelite
- (3) Polythene
- (4) Urea-formaldehyde resin

Scan or tap for the full solution



**Q.3** Which of the following is a natural polymer?

[NEET (UG) 2020]

- (1) poly (Butadiene-styrene)
- (2) polybutadiene
- (3) poly (Butadiene-acrylonitrile)
- (4) cis-1,4-polyisoprene

Scan or tap for the full solution



**Q.4** Regarding cross-linked or network polymers, which of the following statements is incorrect?

[NEET 2018]

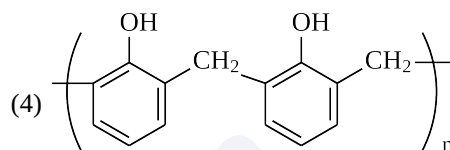
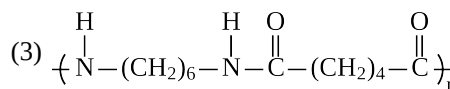
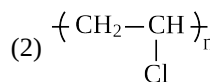
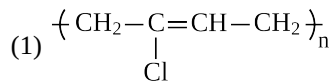
- (1) They contain covalent bonds between various linear polymer chains.
- (2) They are formed from bi- and tri-functional monomers.
- (3) Examples are bakelite and melamine.
- (4) They contain strong covalent bonds in their polymer chains.

Scan or tap for the full solution



**Q.5** Which one of the following is an example of thermosetting polymer?

[AIPMT 2014]



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**Q.6** Which of the following statements is false?

[AIPMT 2012 (Prelims)]

- (1) Artificial silk is derived from cellulose.
- (2) Nylon-6, 6 is an example of elastomer.
- (3) The repeat unit in natural rubber is isoprene.
- (4) Both starch and cellulose are polymers of glucose.

Scan or tap for the full solution



**Q.7**  $\sim [\text{NH}(\text{CH}_2)_6\text{NHCO}(\text{CH}_2)_4\text{CO}]_n \sim$

is a

[AIPMT 2006]

- (1) homopolymer
- (2) copolymer
- (3) addition polymer
- (4) thermosetting polymer.

Scan or tap for the full solution



### ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |  |  |  |  |
|-------|---|---|---|---|---|---|---|--|--|--|--|
| Ans.  | 4 | 3 | 4 | 4 | 4 | 2 | 2 |  |  |  |  |