

PYQSide

NEET POLYMERS — RUBBER — PYQS

Max. Marks: 28

Questions: 7

Section A (MCQ)

Q.1 Which amongst the following molecules on polymerization produces neoprene?

[NEET (UG) 2023]

- (1) $\text{H}_2\text{C}=\overset{\text{Cl}}{\underset{|}{\text{C}}}-\text{CH}=\text{CH}_2$ (2) $\text{H}_2\text{C}=\text{CH}-\text{C}\equiv\text{CH}$
 (3) $\text{H}_2\text{C}=\overset{\text{CH}_3}{\underset{|}{\text{C}}}-\text{CH}=\text{CH}_2$ (4) $\text{H}_2\text{C}=\text{CH}-\text{CH}=\text{CH}_2$

Scan or tap for the full solution



Q.2 Natural rubber has [NEET 2016 (Phase 1)]

- (1) alternate cis- and trans-configuration
 (2) random cis- and trans-configuration
 (3) all cis-configuration
 (4) all trans-configuration.

Scan or tap for the full solution



Q.3 Which is the monomer of neoprene in the following? [NEET 2013]

- (1) $\text{CH}_2=\overset{\text{Cl}}{\underset{|}{\text{C}}}-\text{CH}=\text{CH}_2$ (2) $\text{CH}_2=\text{CH}-\text{C}\equiv\text{CH}$
 (3) $\text{CH}_2=\text{CH}-\text{CH}=\text{CH}_2$ (4) $\text{CH}_2=\overset{\text{CH}_3}{\underset{|}{\text{C}}}-\text{CH}=\text{CH}_2$

Scan or tap for the full solution



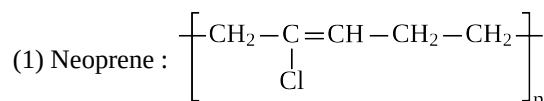
Q.4 Which of the following structures represents neoprene polymer? [AIPMT 2010 (Prelims)]

- (1) $\left[-\text{CH}_2-\overset{\text{Cl}}{\underset{|}{\text{C}}}=\text{CH}-\text{CH}_2- \right]_n$
 (2) $\left[-\text{CH}_2-\overset{\text{Cl}}{\underset{|}{\text{CH}}}- \right]_n$
 (3) $\left[-\text{CH}_2-\overset{\text{CN}}{\underset{|}{\text{CH}}}- \right]_n$
 (4) $\left[-\overset{\text{C}_6\text{H}_5}{\underset{|}{\text{CH}}}-\text{CH}_2- \right]_n$

Scan or tap for the full solution



Q.5 Structures of some common polymers are given. Which one is not correctly presented? [AIPMT 2009]



(2) Terylene :



(3) Nylon 6,6 :



(4) Teflon : $\left[\text{CF}_2-\text{CF}_2- \right]_n$

Scan or tap for the full solution



Q.6 Which one of the following statements is not true? [AIPMT 2008]

- (1) Buna-S is a copolymer of butadiene and styrene.
 (2) Natural rubber is a 1,4-polymer of isoprene.
 (3) In vulcanization, the formation of sulphur bridges between different chains makes rubber harder and stronger.
 (4) Natural rubber has the trans-configuration at every double bond.

Scan or tap for the full solution



Q.7 Which one of the following monomers gives the polymer neoprene on polymerization? [AIPMT 2003]

- (1) $\text{CH}_2=\text{CHCl}$ (2) $\text{CCl}_2=\text{CCl}_2$
 (3) $\text{CH}_2=\overset{\text{Cl}}{\underset{|}{\text{C}}}-\text{CH}=\text{CH}_2$ (4) $\text{CF}_2=\text{CF}_2$

Scan or tap for the full solution



ANSWER KEY

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