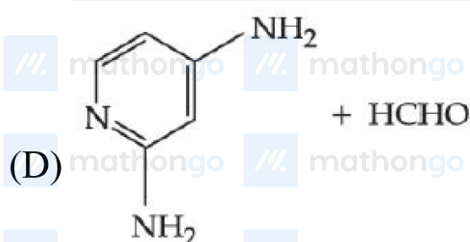
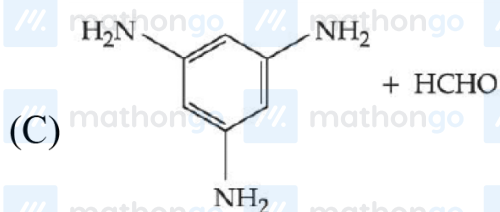
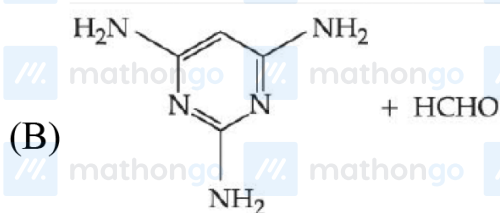
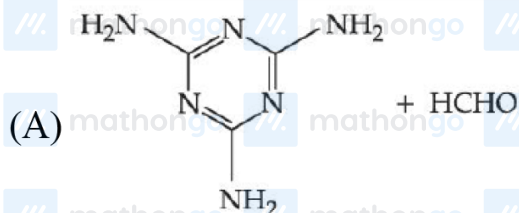


Q1 - 25 July - Shift 1

Melamine polymer is formed by the condensation of :

Space for your notes:



Q2 - 25 July - Shift 2

Match List I with List II :

List-I Polymer	List-II used for items
A. Nylon 6,6	I. Buckets
B. Low density polythene	II. Non-stick utensils
C. High density polythene	III. Bristles of brushes
D. Teflon	IV. Toys

Space for your notes:

Choose the correct answer from the options given below:

- (A) A-III, B-I, C-IV, D-II
- (B) A-III, B-IV, C-I, D-II
- (C) A-II, B-I, C-IV, D-III
- (D) A-II, B-IV, C-I, D-III

Q3 - 26 July - Shift 2

Vulcanization of rubber is carried out by heating a mixture of :

- (A) isoprene and styrene
- (B) neoprene and sulphur
- (C) isoprene and sulphur
- (D) neoprene and styrene

Q4 - 27 July - Shift 1

Match List I with List II

Space for your notes:

List I Polymers	List II Commercial names
A. Phenol-formaldehyde resin	I. Glyptal
B. Copolymer of 1,3-butadiene and styrene	II. Novolac
C. Polyester of glycol and phthalic acid	III. Buna-S
D. Polyester of glycol and terephthalic acid	IV. Dacron

Choose the correct answer from the options given below:

- (A) A-II, B -III, C-IV, D-I
(B) A-II, B -III, C-I, D-IV
(C) A-II, B -I, C-III, D-IV
(D) A-III, B -II, C-IV, D-I

Q5 - 27 July - Shift 2

Questions

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Match List-I with List-II.

Space for your notes:

List-I

List-II

(Polymer)

(Monomer)

(A) Neoprene

(I) Acrylonitrile

(B) Teflon

(II) Chloroprene

(C) Acrilan

(III) Tetrafluoroethene

(D) Natural rubber

(IV) Isoprene

Choose the correct answer from the option given

below:

(A) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)

(B) (A)-(II), (B)-(I), (C)-(III), (D)-(IV)

(C) (A)-(II), (B)-(I), (C)-(IV), (D)-(III)

(D) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

Q6 - 28 July - Shift 1

Terylene polymer is obtained by condensation of :

(A) Ethane-1, 2-diol and Benzene-1, 3 dicarboxylic acid

(B) Propane-1, 2-diol and Benzene-1, 4 dicarboxylic acid

(C) Ethane-1, 2-diol and Benzene-1, 4 dicarboxylic acid

(D) Ethane-1, 2-diol and Benzene-1, 2 dicarboxylic acid

Q7 - 28 July - Shift 2

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Match List I with List II

Space for your notes:

List (Polymer)	List II(Nature)
A. $\left\{ \text{CH}_2 - \underset{\text{Cl}}{\text{C}} = \text{CH} - \text{CH}_2 \right\}_n$	I. Thermosetting polymer
B. $\left\{ \text{N} \left(\begin{array}{c} \text{H} \\ \\ \text{---} \end{array} \right) (\text{CH}_2)_6 \text{N} \left(\begin{array}{c} \text{H} \\ \\ \text{---} \end{array} \right) \text{C} \left(\begin{array}{c} \text{O} \\ \\ \text{---} \end{array} \right) (\text{CH}_2)_4 \text{C} \left(\begin{array}{c} \text{O} \\ \\ \text{---} \end{array} \right) \right\}_n$	II. Fibers
C. $\left\{ \text{CH}_2 - \underset{\text{Cl}}{\text{CH}} \right\}_n$	III. Elastomer
D. $\left\{ \text{C}_6\text{H}_4(\text{OH}) - \text{CH}_2 - \text{C}_6\text{H}_4(\text{OH}) - \text{CH}_2 \right\}_n$	IV. Thermoplastic polymer

Choose the correct answer from the options given

below:

(A) A-II, B-III, C-IV, D-I

(B) A-III, B-II, C-IV, D-I

(C) A-III, B-I, C-IV, D-II

(D) A-I, B-III, C-IV, D-II

Q8 - 29 July - Shift 2

Which of the following is **NOT** a natural polymer?

Space for your notes:

(A) Protein

(B) Starch

(C) Rubber

(D) Rayon

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Answer Key

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Q1 (A)

Q2 (B)

Q3 (C)

Q4 (B)

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Q5 (A)

Q6 (C)

Q7 (B)

Q8 (D)

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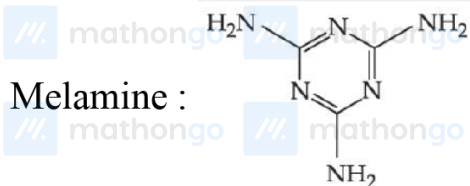
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Q1 (A)



Formaldehyde HCHO

Melamine formaldehyde Resin is melamine polymer

Q2 (B)

LDPE → Toys

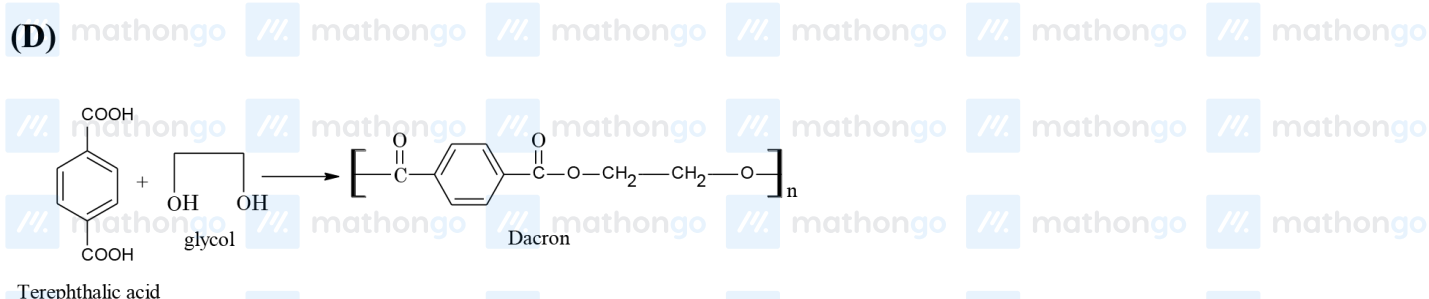
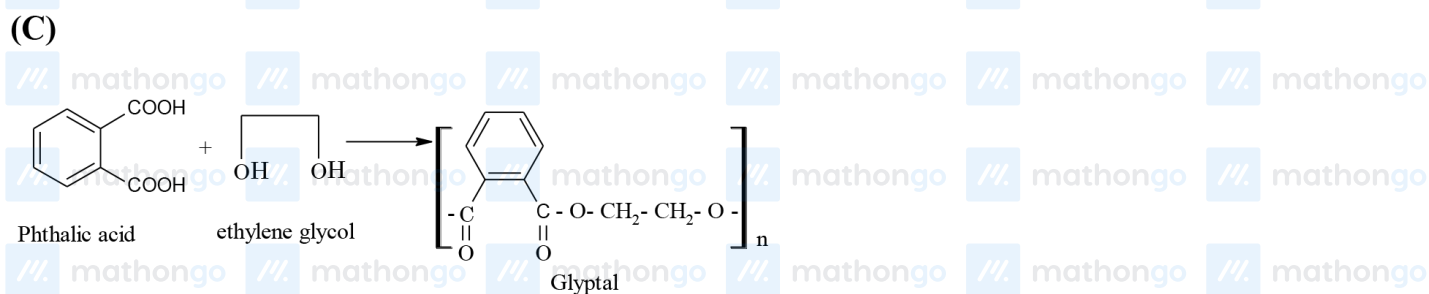
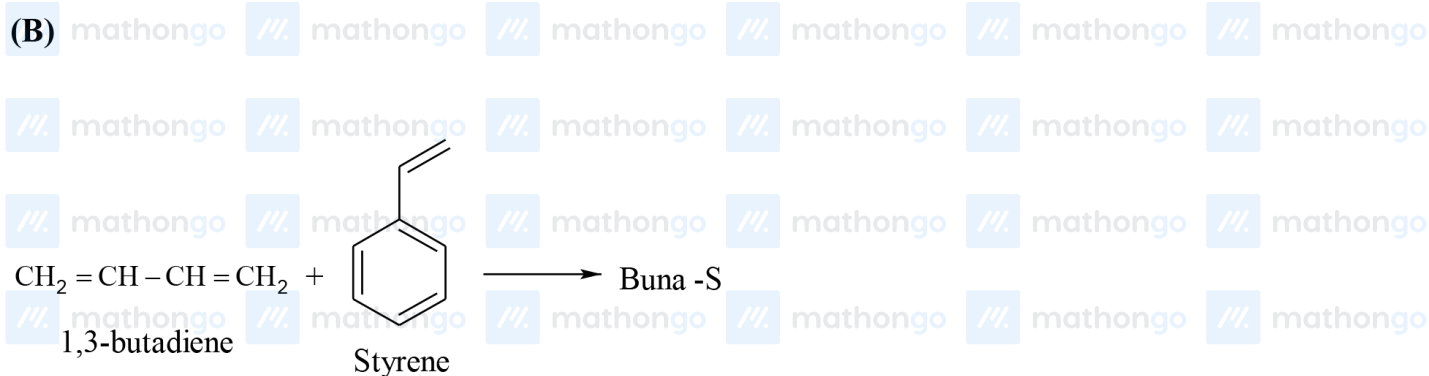
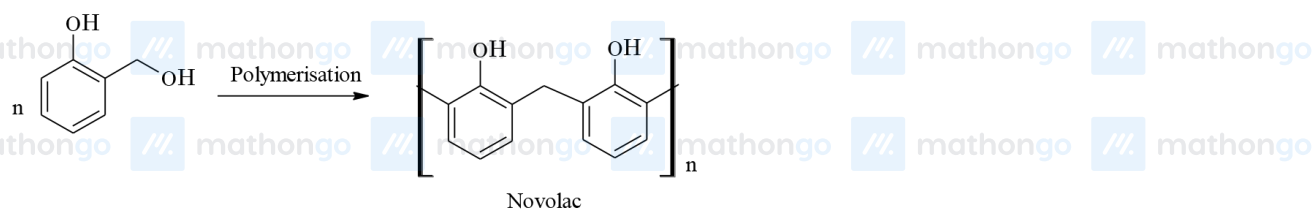
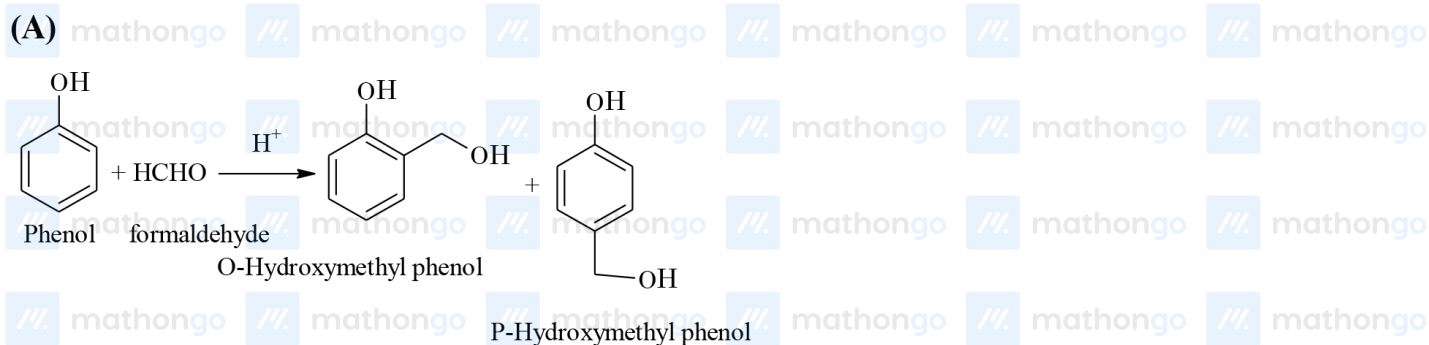
HDPE → Buckets (As per NCERT)

Q3 (C)

Vulcanization of rubber is carried out by heating a mixture of isoprene & sulphur

Q4 (B)

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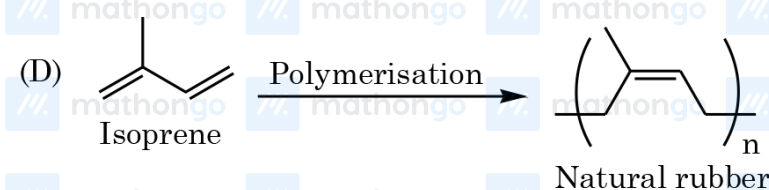
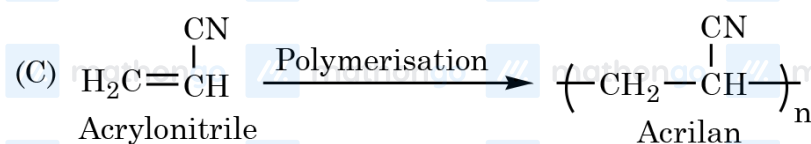
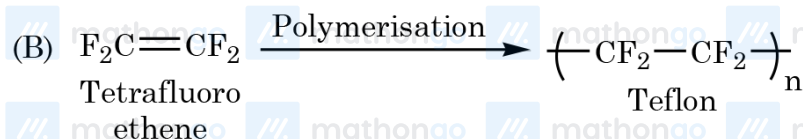
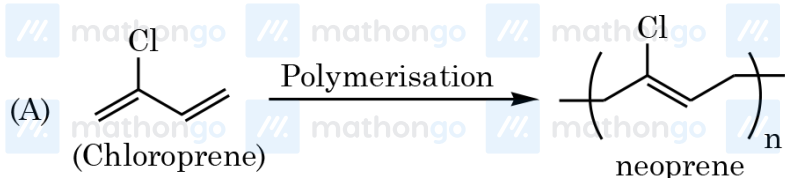


Q5 (A)

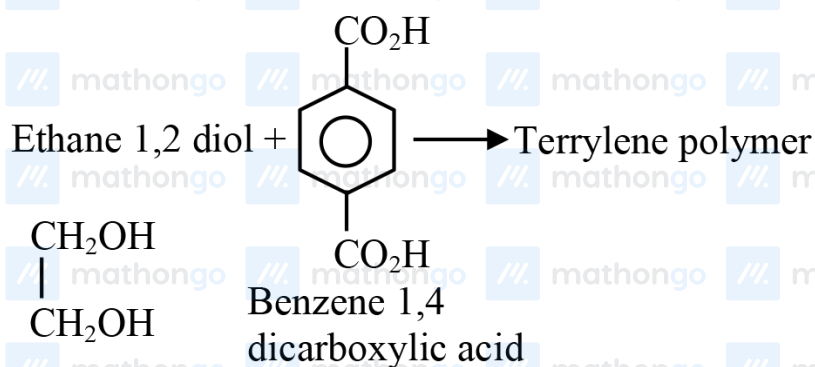
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Hints and Solutions

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Q6 (C)



Q7 (B)

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Neoprene is elastomer

Nylon-6, 6 is fiber

PVC is thermoplastic

Novolac is thermosetting

Q8 (D)

Rayon is semisynthetic polymer.

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