



CHEMISTRY

BOOKS - NIKITA CHEMISTRY (HINGLISH)

POLYMERS

Mcqs

1. Which of the following is linear polymer ?

- A. Starch
- B. Bakelite
- C. PVC

D. Polypropene

Answer: C

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2. Low density polyethylene is

- A. cross linked polymer
- B. branched polymer
- C. linear polymer
- D. condensation polymer

Answer: B

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3. High of density polyethylene is

- A. linear polymer
- B. branched polymer
- C. cross linked polymer
- D. rubber

Answer: A



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4. which of the following is branched polymer ?

- A. PVC

B. Nylon

C. polypropene

D. Melamine

Answer: C



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5. Which of the following is not linear polymer

A. Bakelite

B. Polyester

C. cellulose

D. high density polyethene

Answer: A



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6. Natural rubber is prepared from ?

A. Propene

B. Trans isoprene

C. Ethene

D. Cis isoprene

Answer: D



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7. which of the following has rubber like properties ?

A. Fibres

B. Thermosetting polymers

C. Thermoplastic polymers

D. elastomers

Answer: D



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8. Buna -N is

A. fibres

B. elastomer

C. Thermosetting polymer

D. Thermoplastic polymer

Answer: B



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9. Which of the following is not fibres ?

A. Nylon-6

B. nylon-66

C. Nylon-2,6

D. dacron

Answer: C



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10. Polyvinyl choride is Polymer

- A. elastomer
- B. fibres
- C. Thermoplastic
- D. Thermosetting

Answer: C



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11. Which of the following is crossed linked thermosetting polymer

A. Neoprene

B. Bakelite

C. Orlon

D. Polyethene

Answer: B



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12. Which of the following polymer undergoes permanent change on heating and can not be reused ?

A. Urea methanal

B. Buna -s

C. Dacron

D. polythene

Answer: A



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13. The polymer which can be easily softening on heating and hard on cooling is

A. Neoprene

B. Melamine methanal

C. PVC

D. Buna-N

Answer: C



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14. Which of the following is not thermoplastic polymer .

A. Polyethene

B. Neoprene

C. Polyvinyl chloride

D. Polypropene

Answer: B



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15. Natural silk is a

- A. polyester
- B. Polyamide
- C. Polyacid
- D. Polysaccharide

Answer: B



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16. Artificial silk is a

- A. polypeptide
- B. polysaccharides
- C. Polyethylene
- D. polyvinyl chloride .

Answer: B

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17. Protein fibers are

- A. polyamide fibres
- B. vegetable fibres
- C. regenerated fibers

D. synthetic fibres

Answer: A

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18. Which of the following polymer is an example of fibre ?

A. silk

B. dacron

C. nylon-66

D. all of these

Answer: D

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19. Generally molecular mass of a polymer is over

- A. 100
- B. 500
- C. 1000
- D. 10000

Answer: D

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20. Which is naturally occurring polymer ?

- A. Terylene

B. Nylon -6

C. Cellulose

D. Nylon-66

Answer: C



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21. Which of the following is not an example of natural polymer?

A. silk

B. wool

C. cotton

D. Nylon

Answer: D

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22. Which of the following is not a polymer ?

A. Starch

B. cellulose

C. Fructose

D. Protein

Answer: C

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23. Which of the following is a semisynthetic polymer ?

A. silk

B. wool

C. Acetate rayon

D. cotton

Answer: C



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24. The natural polymer among the following is

A. Pectin

B. teflon

C. Polyethylene

D. terylene

Answer: A



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25. The main constituent of most natural fibres is

A. glycogen

B. starch

C. cellulose

D. all of these

Answer: C

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26. Which one of the following is a true synthetic fibre ?

A. Nylon-6

B. Terylene

C. nylon-66

D. all of these

Answer: D

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27. Cotton is

- A. cellulose fibre
- B. polyamide fibre
- C. polyester fibre
- D. none of these

Answer: A



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28. Plant fibres are

- A. protein fibres
- B. cellulose fibres

C. protein fibres

D. none of these

Answer: B



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29. Which of the following is artificial silk ?

A. Viscose rayon

B. Nylon-6

C. Terylene

D. Nylon -66

Answer: A



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30. Jute is

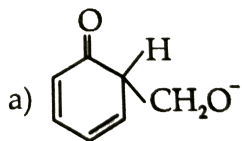
- A. natural fibre
- B. polymer fibre
- C. synthetic fibre
- D. regenerated fibre

Answer: A

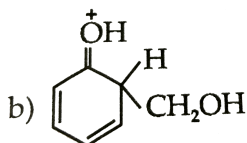


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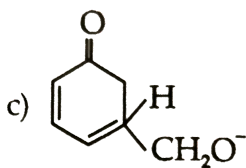
31. In the preparation of bakelite polymer by using base catalyst, the intermediate species formed from phenol and formaldehyde is



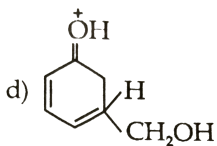
A.



B.



C.



D.

Answer: A



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32. The polymer which can stretched easily by applying small stress and return to it's original shape when stress is removed

A. Buna-s

B. dacron

C. teflon

D. Bakelite

Answer: A



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33. Thermosetting polymer is

A. Nylon-6

B. Buna -s

C. Buna-N

D. Bakelite

Answer: D



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34. Which of the following is chain growth polymer

A. Teflon

B. Nylon-66

C. Nylon-6

D. terylene

Answer: A



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35. In chain growth polymerization initiator is

A. free radicals

B. cations

C. anions

D. one of these

Answer: D

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36. Which of the following is not addition polymer ?

A. Polypropene

B. teflon

C. polyacrylonitrile

D. melamine formaldehyde polymer

Answer: D

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37. Correct decreasing order of molecular forces of polymer is

(i) Thermosetting (ii) fibres

(iii) Thermoplastic (iv) elastomers

A. $1 > 2 > 3 > 4$

B. $2 > 1 > 3 > 4$

C. $4 > 3 > 2 > 1$

D. $2 > 3 > 1 > 4$

Answer: B



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38. In addition polymer monomer used is

- A. unsaturated compounds
- B. saturated compounds
- C. bifunctional saturated compounds
- D. trifunctional saturated compounds

Answer: A



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39. Which of the following has strong intermolecular force between the chain ?

- A. Dacron
- B. Bakelite

C. Buna-N

D. Buna-S

Answer: A



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40. Decreasing order of intermolecular forces of polymer is

(i) Neoprene

(ii) silk

(iii) Buna-N

(iv) melamine formaldehyde resin

A. $2 > 1 > 4 > 3$

B. $2 > 3 > 4 > 1$

C. $2 > 4 > 3 > 1$

D. $2 > 1 > 3 > 4$

Answer: C



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41. Which of the following has weak molecular forces ?

A. Nylon-6

B. Nylon-66

C. silk

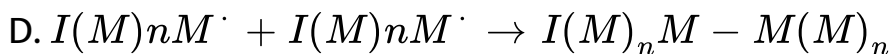
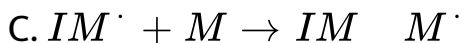
D. Buna-S

Answer: D



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42. In free radical mechanism of polymerization of addition polymer the chain propagation step is



Answer: C



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43. Low density polyethylene is

- A. branched polymer
- B. linear polymer
- C. copolymer
- D. step growth polymer

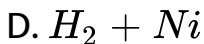
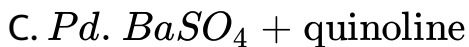
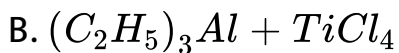
Answer: A



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44. The catalyst used in the preparation of high density polyethylene is

- A. N_2

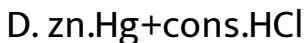
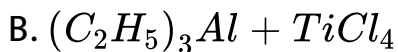
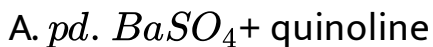


Answer: B



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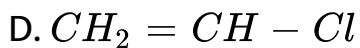
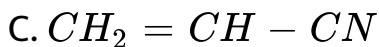
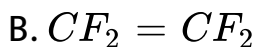
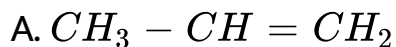
45. Which of the following Ziegler -Nata catalyst ?



Answer: B

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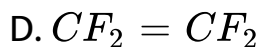
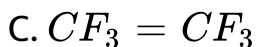
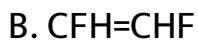
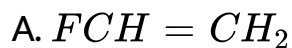
46. Orlon is prepared from polymerization of



Answer: C

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47. Terflon is polymer of



Answer: D



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48. Polyacrylonitrile contain a linkage of

A. amide

B. ester

C. ether

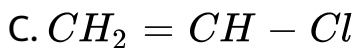
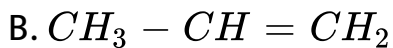
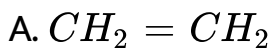
D. carbon and carbon

Answer: D



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49. PVC is obtained by polymerization of



Answer: C



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50. Monomer of acrilan is

A. vinyl chloride

B. vinyl alcohol

C. ethylene glycol

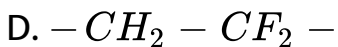
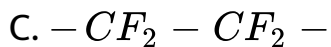
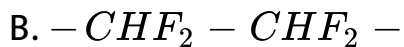
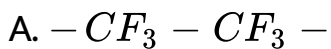
D. acrylonitrile

Answer: D



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51. Repeating units teflon is



Answer: C



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52. Bakelite is a

A. melamine formaldehyde polymer

B. butyl rubber

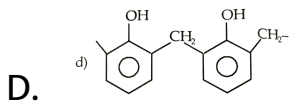
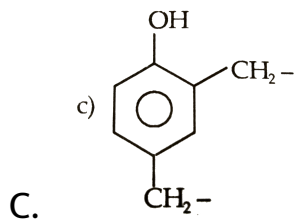
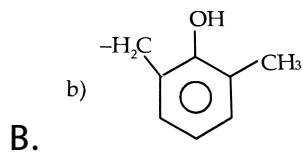
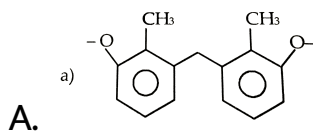
C. phenol formaldehyde polymer

D. phenol urea polymer

Answer: C

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53. which of the following is novolac



Answer: D

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54. Novolac is

A. cross linked polymer

B. linear polymer

C. addition polymer

D. synthetic rubber

Answer: B

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55. Terflon polymer monomer of

- A. difluoroethene
- B. fluoroethene
- C. tetrafluoroethane
- D. tetrafluoroethene

Answer: D

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56. Which of the following is addition polymer ?

- A. Nylon
- B. PVC

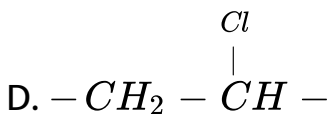
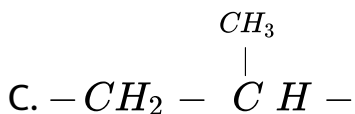
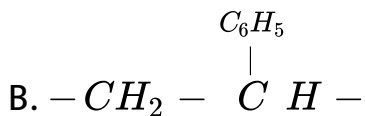
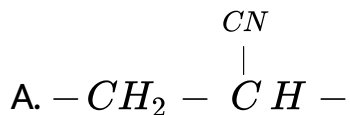
C. Terylene

D. Bakelite

Answer: B

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57. The polymer acrilan has the repeating unit .



Answer: A

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58. Which of the following polymer is used for coating as a thin layer on the inner side of nonsticky utensil ?

A. Bakelite

B. PVC

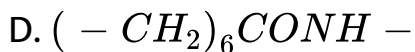
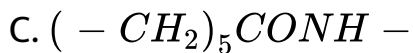
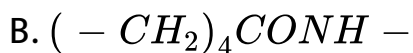
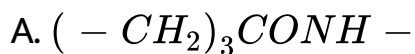
C. Buna-S

D. Teflon

Answer: D

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59. The repeating unit of nylon -6 is

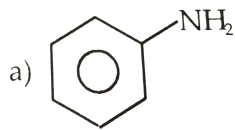


Answer: C

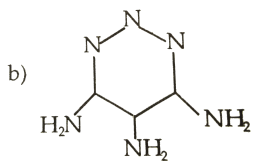


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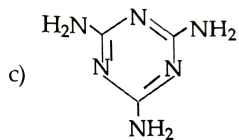
60. Which of the following compound is used for preparation of melamine formaldehyde polymer



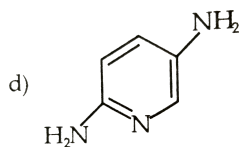
A.



B.



C.



D.

Answer: C



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61. Polymer used for making crookeries is

A. Teflon

B. melamine methanal polymer

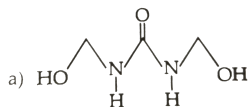
C. urea formaldehyde polymer

D. Bakelite

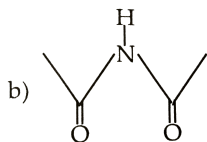
Answer: B

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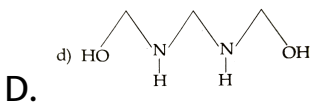
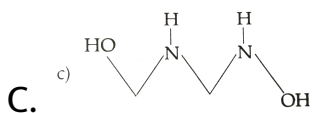
62. Monomer unit in urea -formaldehyde polymer is



A.



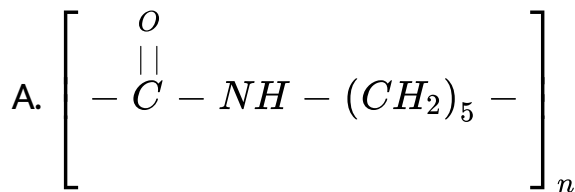
B.



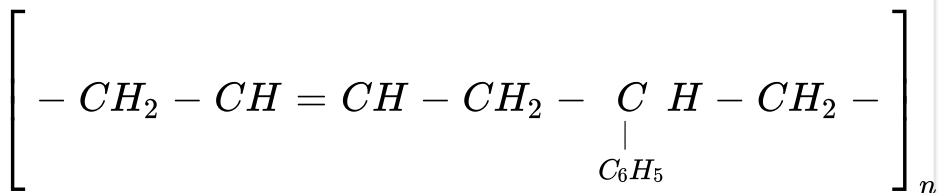
Answer: A

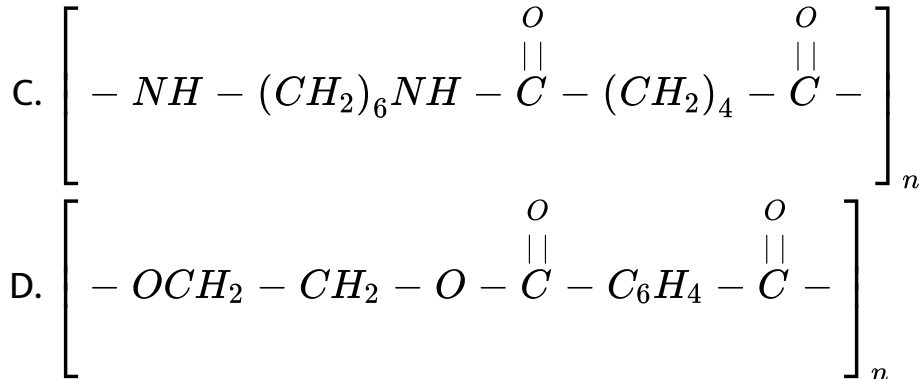
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63. Which of the following structure represent terylene ?



B.

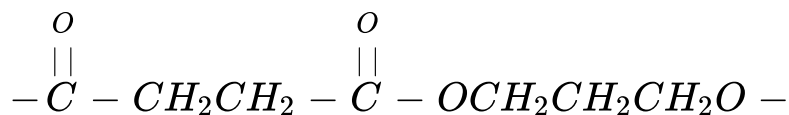




Answer: D

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64. What type of polymer is represented by the following segment ?



A. polyamide fibres

B. Polyester

C. Polyolefin

D. Polyethylene

Answer: B



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65. An example of a condensation polymer is

A. PVC

B. Terylene

C. Polypropylene

D. Teflon

Answer: B



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66. Nylon -66 is a copolymer of

- A. urea and formaldehyde
- B. hexamethylene diamine and adipic acid
- C. phenol and formaldehyde
- D. vinyl chloride and vinyl alcohol .

Answer: B



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67. Which of the following , glycol is an important constituent ?

A. Dacron

B. Nylon 6

C. teflon

D. Viscose rayon .

Answer: A



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68. Perlon is

A. rubber

B. nylon 6

C. Terylene

D. oxlon

Answer: B



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69. Polymer which has amide linkage is

A. nylon -66

B. Terylene

C. teflon

D. Bakelite

Answer: A

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70. Which one of the following pair is not correctly matched ?

- A. Terylene-condensation polymer
- B. Polysaccharides -artificial silk
- C. Nylon -6 -homopolymer of -caprolactum
- D. Silk -synthetic fibre

Answer: D

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71. Caprolactum is used for manufacturing

A. Bakelite

B. nylon -6

C. rubber

D. dacron

Answer: B



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72. Which of the following is not a polyamide?

A. Wood

B. Leather

C. Nylon -6 -homopolymer of ϵ -caprolactum

D. Natural rubber

Answer: D



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73. The two monomers required in the preparation of terylene are

A. vinyl chloride

B. phthalic acid and ethylene glycol

C. terephthalic acid and ethylene glycol

D. adipic acid and hexamethylene diamine

Answer: C

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74. The raw material for nylon -66 is

- A. adipic acid
- B. tetrafluoroethylene
- C. hexamethylene diamine
- D. both a and c

Answer: D

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75. Dimethyl terephthalate and ethylene glycol react to form

A. nylon -66

B. nylon-6

C. neoprene

D. dacron

Answer: D



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76. Butadiene and acrylonitrile polymer is known as

A. nylon-66

B. nylon-26

C. buna-S

D. Buna-N

Answer: D



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77. Cupra-ammonium silk is

A. natural fibre

B. semi synthetic fibre

C. protein fibre

D. true synthetic fibre

Answer: B

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78. Which of the following is nylon salt ?



Answer: D

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79. Dimethyl terephthalate is a ester of

- A. Phthalic acid
- B. terephthalic acid
- C. oxalic acid
- D. carproic acid

Answer: B

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80. Which of the following fibres are made of polyamides?

- A. Dacron

B. orlon

C. Nylon

D. Rayon

Answer: C



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81. A polymer is formed when simple chemical units

A. combine to form long chains

B. combine to form helical chains

C. break up

D. become round

Answer: A

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82. A raw material used in making nylon-66 is

A. ethylene

B. butadiene

C. adipic acid

D. methanol

Answer: C

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83. In which of the following polymerisation new bonds are formed by the elimination of small molecules ?

- A. Condensation
- B. Addition
- C. Simple
- D. Coordination

Answer: A

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84. Which of the following is co-polymer ?

- A. Orlon

B. teflon

C. PHBV

D. polyisoprene

Answer: C



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85. Dihydroxy diethyl terephthalate is obtained by ethylene glycol and what ?

A. PHBV

B. DMT

C. HDPE

D. PVC

Answer: B

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86. Monomers used to prepare superglue are

A. vinyl chloride

B. methyl α -cyanoacrylate

C. isoprene

D. chloroprene

Answer: B

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87. A polymer made from a polymerization reaction that produces small molecules (such as water) as well as the polymer is classified as a/an... polymer.

A. addition

B. natural

C. condensation

D. elimination

Answer: C



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88. Dacron ,a synthetic polyester fibre is made from

A. ester of terephthalic acid and ethylene glycol

B. Phthalic acid and cellulose

C. caprolactum and alcohol

D. alcohol and ethene.

Answer: A



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89. Which of the following is a polyamide?

A. Nylon

B. Rayon

C. Orlon

D. terylene

Answer: A



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90. Nylon -66 is made from hexamethylene diamine and

A. Phthalic acid

B. sulphurous acid

C. adipic acid

D. glycol

Answer: C

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91. Raw material used for preparation nylon 6 is

- A. ϵ -caprolactum
- B. ω -amino caproic acid
- C. adipic acid
- D. phthalic acid

Answer: A

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92. Terylene ,a polymer is produced by condensing ethylene glycol with

- A. succinic acid
- B. oxalic acid
- C. D.M.T.
- D. phthalic acid

Answer: C



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93. Which of the following contains nitrogen ?

- A. Teflon

B. Nylon

C. Terylene

D. Starch

Answer: B



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94. IUPAC name of hexamethylene diamine is

A. hexamethylene 1,6-diamine

B. 1,6 -diaminohexamethylene

C. 1,6- diamno hexane

D. 1,6 -hexane-diamine

Answer: D

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95. Nylon polymers are

A. acidic

B. basic

C. amphoteric

D. neutral

Answer: C

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96. Trans-esterification means

- A. preparation of ester from ester
- B. preparation of ester from acid
- C. preparation of ester from alcohol
- D. reverse of esterification

Answer: A

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97. Side product during the preparation of dacron fibre is

- A. glycerol
- B. ethylene glycol

C. ethyl alcohol

D. propylene glycol

Answer: B



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98. Nylon -6 is also called as

A. Orlon

B. polycaprolactum

C. acrilan

D. dacron

Answer: B



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99. Terylene is also known as

A. Dacron

B. Mylor

C. Cronar

D. polyester

Answer: A



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100. Nylon is classified as a

A. Polyolefin

B. polyamide

C. polyester

D. polyethylene

Answer: B



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101. Polycaprolactum is

A. nylon-6

B. nylon -66

C. terylene

D. mylor

Answer: A

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102. In the preparation of nylon -6 polymerisation carried out in the presence of

A. nitrogen

B. oxygen

C. chlorine

D. fluorine

Answer: A

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103. The fibre obtained by the condensation of hexamethylen, diamine and adipic acid is

A. Dacron

B. nylon -66

C. Rayon

D. Terflon

Answer: B

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104. Nylon is generic name for all synthetic fibre forming

A. polysters

B. polymeric amides

C. Polystyrene

D. Polythylene

Answer: B



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105. Nylon -26 is

A. biodegradable polymer

B. nonbiodegradable polymer

C. rubber

D. elastomer

Answer: A



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106. Terylene is a

A. polyamide

B. polyester

C. Polyethylene

D. polypropylene

Answer: B

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107. Terylene is a condensation polymer of ethylene glycol and

- A. Benzoic acid
- B. Phthalic acid
- C. Salicylic acid
- D. Ester of terephthalic acid

Answer: D

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108. Dextron is

- A. polyester
- B. Polyamide
- C. polycellulose
- D. polypropylene

Answer: A



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109. The compound used in the manufacture of butyl rubber is

- A. Ethylene

B. Vinyl chloride

C. Isobutylene

D. Adipic acid

Answer: C

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110. Which of the following is nylon 6 ?



Answer: D

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111. Nylon salt is known as

- A. tetramethylene diammonium adipate
- B. dimethylene hexammonium adipate
- C. hexamethylene diammonium adipate
- D. trimethylene diammonium adipate

Answer: C

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112. which of the following is nylon 66 ?



Answer: B



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113. Which of the following is a synthetic condensation polymer ?

A. Terylene

B. nylon -66

C. Both 'a' and 'b'

D. Nylon -6

Answer: C



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114. Nylon 66 belongs to the class of

A. Addition polymer

B. Condensation polymer

C. Addition homopolymer

D. Condensation heteropolymer

Answer: D

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115. Which of the following is used in manufacture of paints ?

A. Glyptal

B. Dynel

C. Thiokol

D. Kevlar

Answer: A

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116. Terylene is used for making

- A. sails
- B. fabrics
- C. seat belts
- D. all of these

Answer: D



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117. Wash and wear clothes are manufactured using

- A. terylene fibres

B. nylon fibres

C. wool fibres

D. cotton mixed with nylon

Answer: A



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118. which of the following is used to make tooth brush bristles ?

A. Viscose rayon

B. Acetate rayon

C. Nylon -6

D. Terylene

Answer: C

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119. Synthetic fibres like nylon -66 are very strong because

- A. They have high molecular weight and high melting points
- B. They have a high degree of cross linking by strong C-C bond
- C. They have linear molecules consisting of very long chains

D. They have linear molecules interlinked with forces like hydrogen bonding .

Answer: D



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120. Glycol is

A. monohydric alcohol

B. dihydric alcohol

C. trihydric alcohol

D. polyhydric alcohol

Answer: B



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121. Four methylene groups are present in

A. ω -amino caproic acid

B. ϵ -caprolactam

C. adipic acid

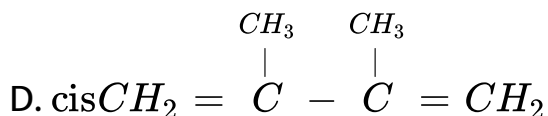
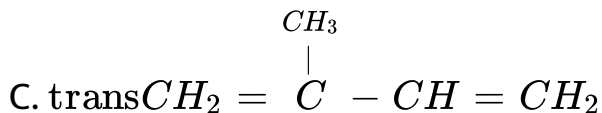
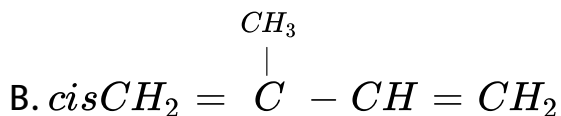
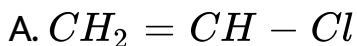
D. Nylon -6

Answer: C



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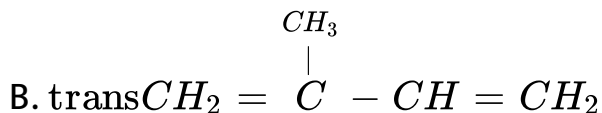
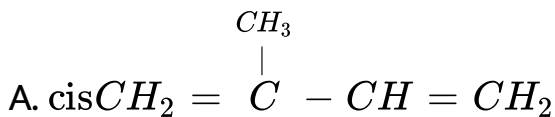
122. Natural rubber is polymer is

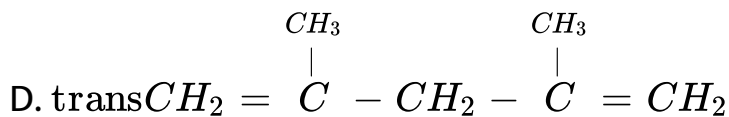
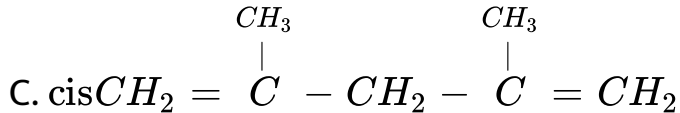


Answer: B

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123. Which of the following is Gutta -percha ?





Answer: B

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124. Vulcanization of rubber was introduced by

- A. Cahn -Ingold
- B. Fisher
- C. Charles good year
- D. Newman

Answer: C



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125. Which of the following is not the property of natural rubber

- A. Low tensile strength
- B. high water absorption capacity
- C. soft and sticky
- D. high elasticity

Answer: D



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126. Helmets are made from

A. Glyptal

B. Kevlar

C. Thiokol

D. Dynel

Answer: B



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127. Neoprene is prepared from

A. isoprene

B. vinyl cyanide

C. chloroprene

D. isobutylene

Answer: C



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128. The monomer used in the preparation of neoprene is

A. neopentyl chloride

B. neopentane

C. 2-chlorobuta -1,3-diene

D. chloropicrin

Answer: C

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129. In the preparation of dextran one of the raw material is lactic acid another is

- A. glycolic acid
- B. valeric acid
- C. phthalic acid
- D. oxalic acid

Answer: A

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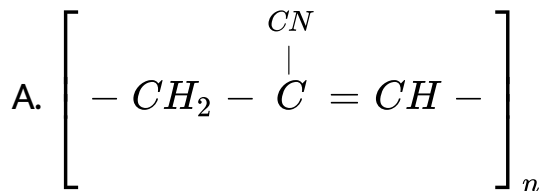
130. Butyl rubber is addition polymer of

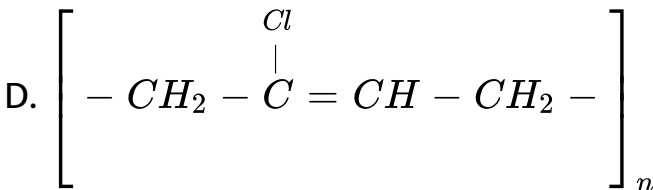
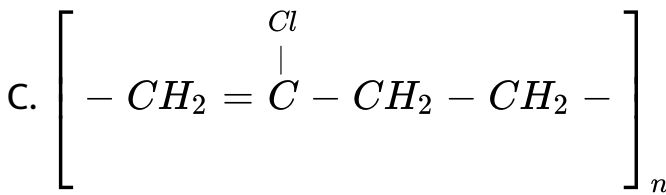
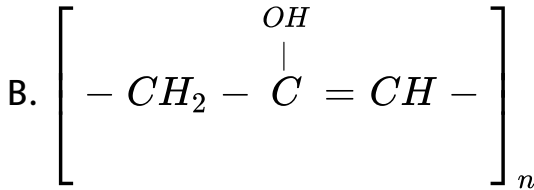
- A. iso-butylene and isoprene
- B. iso-butylene and chloroethane
- C. iso-butylene and chloroprene
- D. iso-butylene and chloromethane

Answer: A

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131. Which of the following is neoprene rubber





Answer: D

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132. Polymerization of chloroprene is catalyzed by

A. N_2 catalyst

B. peroxide catalyst

C. H_2 +Ni catalyst

D. Lindlar catalyst

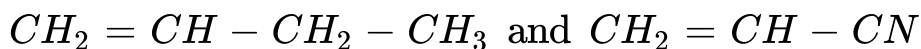
Answer: B



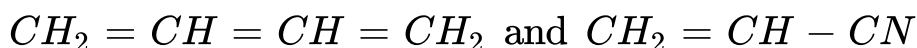
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133. The monomer required for the preparation of buna-N is

A.



B.



c. $CH_2 = C = CH - CH_3$ and $CH_2 = CH - CN$

D.

$CH_2 = CH - CH = CH_2$ and $CH_3 - CH_2 - CN$

Answer: B



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134. Which of the following is not synthetic rubber ?

A. Poly 1,3-butadiene acrylonitrile

B. poly 1,3 butadiene styrene

C. Butyl rubber

D. Polyisoprene

Answer: D

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135. Buna -S is prepared from

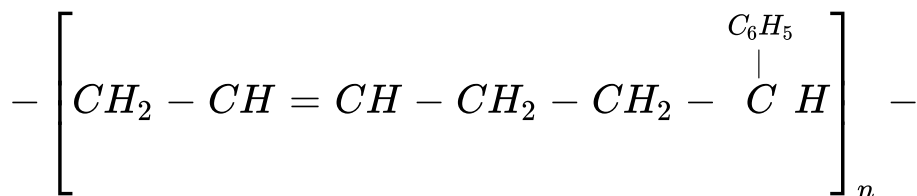
- A. 1,3-butadiene and vinyl cyanide
- B. 1,3-butadiene and styrene
- C. 1,2-butadiene and vinyl cyanide
- D. 1,2-butadiene and styrene

Answer: B

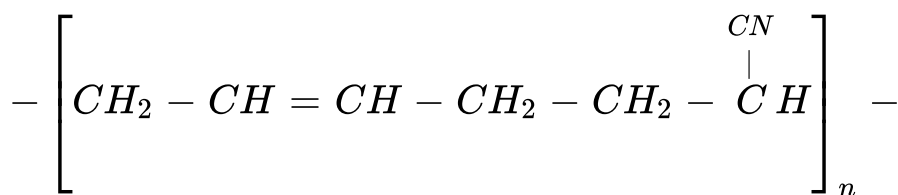
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136. Which of the following is Buna -N

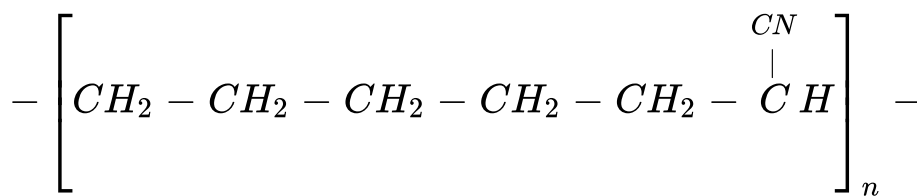
A.



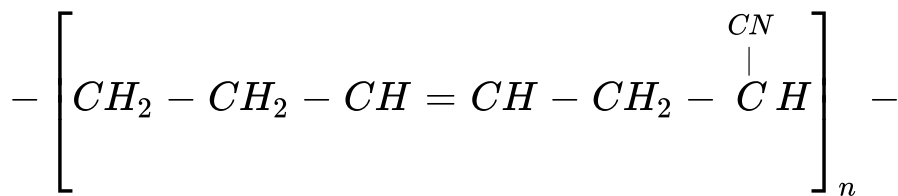
B.



C.



D.

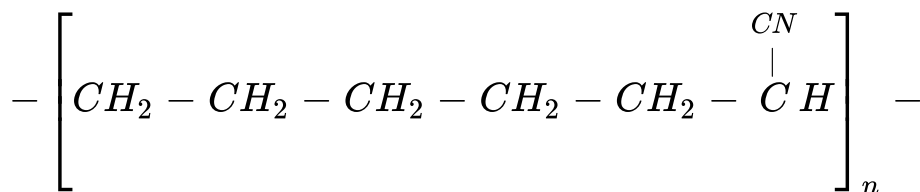


Answer: B

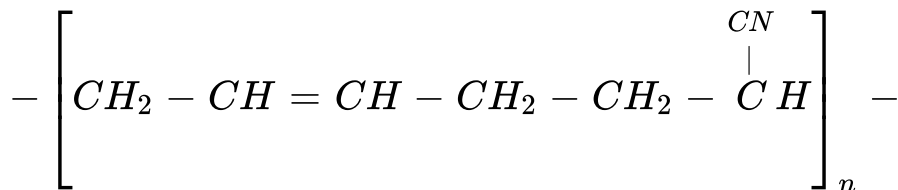


137. Which of the following is SBR rubber

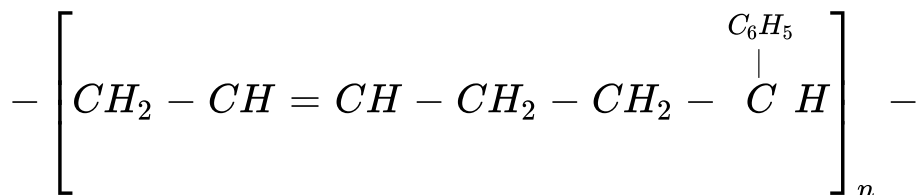
A.



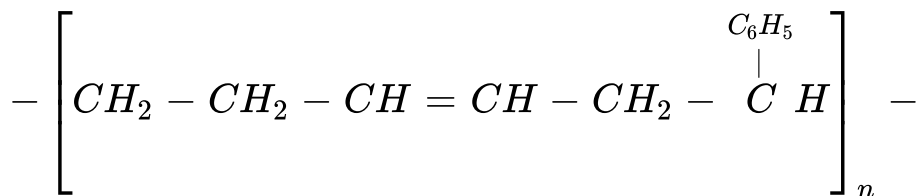
B.



C.



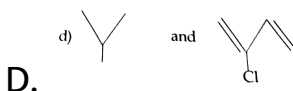
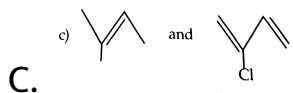
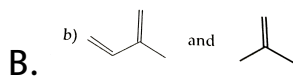
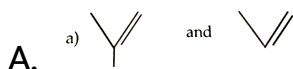
D.



Answer: C

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138. Monomer used for preparation of butyl rubber is



Answer: B

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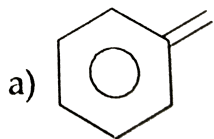
139. Butyl rubber is copolymer of

- A. isobutylene and vinyl chloride
- B. isobutylene and chloroprene
- C. isobutane and chloroprene
- D. isobutylene and isoprene

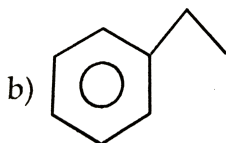
Answer: D

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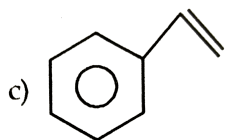
140. Which of the following is styrene ?



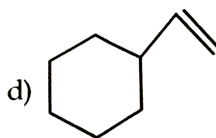
A.



B.



C.



D.

Answer: C



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141. Substance used in paints is

A. Teflon

B. dynel

C. PVC

D. novolac

Answer: D



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142. Which of the following is not true ?

- A. In vulcanization , the formation of sulphur bridge between different chains make rubber hard and strong
- B. Natural rubber has trans configuration at vinyl double bond
- C. Buna-N is a copolymer of 1,3 - butadiene and vinyl cyanide
- D. Natural rubber is a 1,4 -polymer of isoprene

Answer: B



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143. Which is not true polymer

- A. Polymer does not carry any charge
- B. polymer have high viscosity
- C. Polymer scatter light
- D. Polymer have low molecular weight

Answer: D



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144. Teflon , neoprene , Nylon -6 are all

- A. co-polymer
- B. Condensation polymer
- C. Homopolymer

D. monomers

Answer: C

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145. Interparticle forces present in Nylon -66 are

A. Vander Waal's

B. hydrogen bonding

C. dipole-dipole attraction

D. none of the above

Answer: B

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146. Natural rubber is prepared from ?

- A. All trans polyisoprene
- B. All cis- polyisoprene
- C. chloroprene
- D. Buna-N

Answer: B

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147. which of the following is branched polymer ?

- A. Nylon

B. low density polyethylene

C. high density polyethene

D. polyester

Answer: B



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148. Chloroprene is the repeating unit in:

A. Polystyrene

B. Buna -s

C. Buna-N

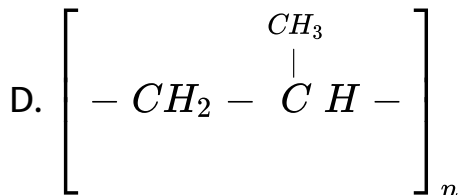
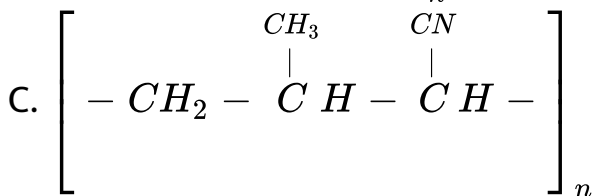
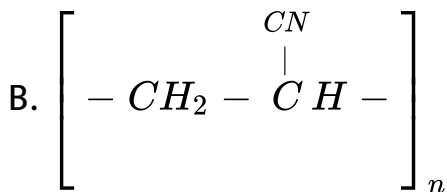
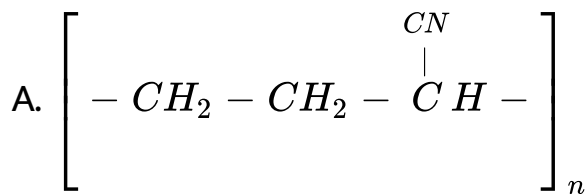
D. neoprene

Answer: D

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149. Acrilan is a hard, horny and a high melting material.

Which of the following represents its structures?



Answer: B

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150. Which of the following is chain growth polymer ?

A. Nylon -26

B. PVC

C. Nylon -66

D. Nylon -6

Answer: B

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151. The polymer which undergoes environment degradation by microorganism is known as

- A. chain growth polymer
- B. chain step polymer
- C. biodegradable polymer
- D. non- biodegradable polymer

Answer: C

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152. Which of the following is not biodegradable polymer ?

- A. Dextran

B. polyethene

C. PVC

D. Nylon -6

Answer: A



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153. Which of the following is not biodegradable polymer ?

A. Polyhydroxy butyrate -co- β -hydroxy valerate

B. polyglycolic acid

C. Nylon -2,6

D. Nylon -6,6

Answer: D

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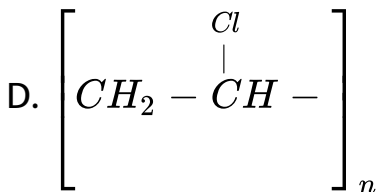
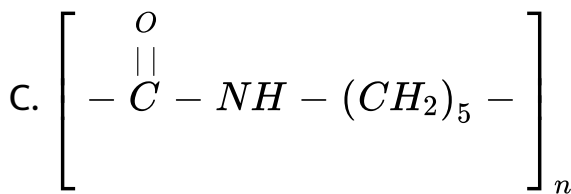
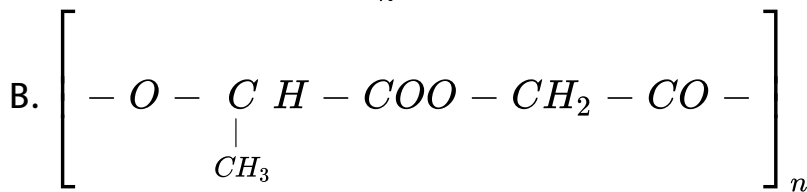
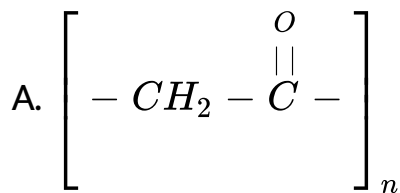
154. PHBV is prepared from

- A. glycolic acid
- B. 3 -hydroxy butanoic acid and 3-hydroxy pentanoic acid
- C. glycine and ω amino caproic acid
- D. glycine and 3 -hydroxy butanoic acid

Answer: B

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155. Which of the following is dextran ,



Answer: B



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156. Nylon 2,6 is prepared from

- A. glycine and ϵ caprolactum
- B. glycine and hexamethylene diamine
- C. glycine and 3-hydroxybutanoic acid
- D. glycine and ω -amino caproic acid

Answer: D



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157. Two monomers used in the preparation of of dextran are

A. 3-hydroxy butanoic acid and 3 -hydroxy pentanoic acid

B. ϵ -amino caproic acid and glycine

C. lactic acid and glycolic acid

D. isobutyric acid and isoprene

Answer: C



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158. Dextran is

A. polyamide

B. polyamine

C. polyester

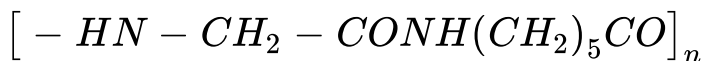
D. natural rubber

Answer: C



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159. Polymer given below is



A. nylon -6

B. Nylon -2,6

C. Nylon -6,6

D. Nylon -3,6

Answer: B

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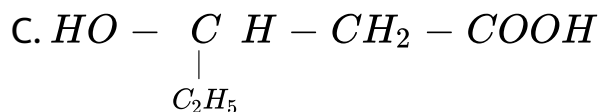
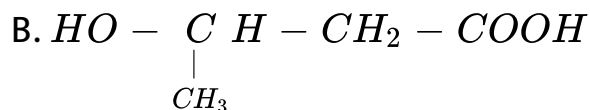
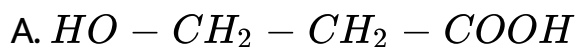
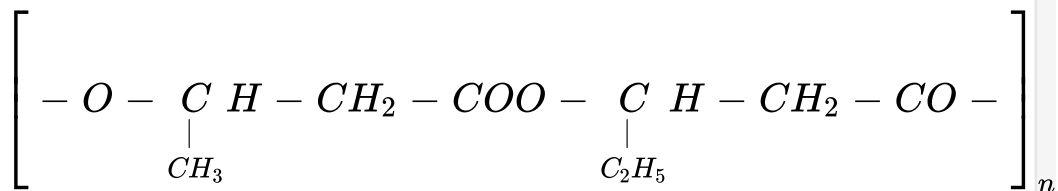
160. Glycolic acid and lactic acid on polymerisation gives

- A. Orlon
- B. dextron
- C. Dacron
- D. PHBV

Answer: B

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161. The monomer of following polymer is



D. both b and c

Answer: D

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162. PHBV is

- A. polyester polymer
- B. polyamide polymer
- C. polymer of glycolic acid
- D. polymer of glycolic acid

Answer: A



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163. Cis isoprene is used for making

- A. poly propene
- B. PVC
- C. Butyl rubber

D. dacron

Answer: C



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164. Which of the following statement is wrong

A. PVC stands for polyvinyl chloride

B. PTFE stand for teflon

C. Buna -N stand for natural rubber

D. PAN stands for polyacrylonitrile

Answer: C



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165. What is natural rubber ?

- A. cis -1 4-polyisoprene
- B. Trans-1,4 -polyisoprene
- C. neoprene
- D. Butyl rubber

Answer: A



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166. Nylon -6 is not a

- A. condensation polymer

B. polyamide

C. copolymer

D. homopolymer

Answer: C



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167. Polymer containing nitrogen is

A. Dacron

B. Buna -s

C. PAN

D. Dextron

Answer: C

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168. Buna -N is polymer of

A. 1,3 -butadiene and acrylonitrile

B. 1,3-butadiene and styrene

C. acrylonitrile and vinyl chloride

D. 1,3-butadiene and isoprene

Answer: D

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169. Condensation product of caprolactum is :

- A. Nylon -6
- B. nylon -66
- C. Buna-S
- D. Nylon-2,6

Answer: A

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170. Thiokol is used as

- A. rubber
- B. for making human hair wigs

C. helmets

D. bullet proof windows

Answer: A



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171. Human hair wigs are prepared from

A. Glyptal

B. Nomex

C. Lexon

D. Dynel

Answer: D



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172. Which of the following is polysulphide rubber

A. Glyptal

B. thiokol

C. Buna-N

D. Neo-prene

Answer: B



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173. Which of the following is used to make bullet proof windows ?

A. Nomex

B. Lexan

C. Glyptal

D. Pan

Answer: B



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174. Fire fighter uses cloths of

A. Lexan

B. Nylon

C. Terylene

D. Nomex

Answer: D



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175. Chain growth polymerisation is important reaction for ?

A. PTFE

B. Nylon-26

C. polyester

D. Bakelite

Answer: A



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176. which of the following has rubber like properties ?

A. Fibres

B. Thermosetting polymers

C. Thermoplastic polymers

D. elastomers

Answer: D



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177. Which of the following is not synthetic rubber ?

A. Poly 1,3 -butadiene acrylonitrile

B. poly 1,3 butadiene styrene

C. Butyl rubber

D. polyisoprene

Answer: D



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178. Which of the following is not true ?

- A. In vulcanization , the formation of sulphur bridge between different chains make rubber hard and strong
- B. Natural rubber has trans configuration at every double bond
- C. Buna -N is a copolymer of 1,3 - butadiene and vinyl cyanide
- D. Natural rubber is a 1,4 -polymer of isoprene

Answer: B



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179. For manufacture of tyre rubber the percentage of sulphur is

A. 20-30 %

B. 30-40 %

C. 1-3 %

D. 3-10 %

Answer: D



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180. Butyl rubber is

A. addition co-polymer

B. condensation co-polymer

C. Addition homopolymer

D. condensation heteropolymer

Answer: A



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181. In USA terylene is known as

A. terene

B. nylon

C. Dacron

D. cronar

Answer: C

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182. Starting materials for nylon -66 are

- A. hexmethylene diamine and ethylene glycol
- B. hexamethylene diamine and adipic acid
- C. hexamethylene diamine and DMT
- D. hexamethylene diamine and glycerol

Answer: B

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183. Formula of nylon -66 is



Answer: B

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184. Nylon-6 is :

A. hydrocarbon polymer

B. polyamide

C. polyester

D. polyether

Answer: B



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185. Nylon threads are made up of:

A. polyvinyl polymer

B. polyester polymer

C. polyamide polymer

D. polyethylene polymer

Answer: C



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186. When condensation of hexamethylene diamine and adipic acid in an inert atmosphere the product obtained is

- A. a solid polymer of nylon -66
- B. a semi solid polymer of nylon -66
- C. a solid polymer of nylon -6
- D. a semi solid polymer of nylon -6

Answer: B



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187. Nylon -66 is

- A. homopolymer
- B. condensation homopolymer
- C. condensation heteropolymer
- D. condensation polyamide heteropolymer

Answer: D



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188. Monomer of terylene is

- A. dihydroxy dimethyl terephthalate

B. dihydroxy diethyl terephthalate

C. dimeethyl terephthalate

D. dimethyl terephthalate and glycol

Answer: B



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189. Hemp is

A. synthetic fibre

B. vegetable fibres

C. animal fibre

D. not a fibre

Answer: B

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190. Terylene is a

- A. polyamide
- B. polyester
- C. polypeptide
- D. polyamine

Answer: B

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191. Biodegradable polymer which can be produced from glycine and aminocaproic acid.

A. Nylon 2 - nylon 6

B. PHBV

C. Buna-N

D. Nylon 6,6

Answer: A



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