

Date Planned : __ / __ / __	Daily Tutorial Sheet-9	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-2	Exact Duration : _____

106. Which of the following is not a biopolymer ?
 (A) Proteins (B) Nucleic acids
 (C) Cellulose (D) Neoprene
107. Which of the following is a copolymer :
 (A) Buna-S (B) PAN (C) Polythene (D) PTFE
108. Which of the following is a synthetic polymer ?
 (A) Starch (B) Silk (C) Protein (D) Polystyrene
109. Which of the following sets contain only addition homopolymers ?
 (A) Polythene, natural rubber, cellulose (B) Starch, nylon, polyester
 (C) Teflon, bakelite, orlon (D) Neoprene, PVC, polythene
110. Natural rubber is a polymer of :
 (A) Ethylene (B) Vinyl chloride (C) Phenol (D) Isoprene
111. Among the following polymers, the strongest intermolecular forces of attraction are present in :
 (A) Elastomers (B) Fibres
 (C) Thermoplastics (D) Thermosetting polymers
112. In vulcanization of rubber :
 (A) Sulphur reacts to form a new compound
 (B) Sulphur cross-links are introduced
 (C) Sulphur forms a very thin protective layer over rubber
 (D) All statement are correct
113. The repeating structural unit in neoprene is :
 (A) Chloroprene (B) Chloropicrin
 (C) Chloroethene (D) Chlorotrifluoroethylene
114. What is the structural formula of the monosaccharide that is used in Kiliani-Fischer synthesis of :

$$\begin{array}{c}
 \text{CHO} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{HO} - \text{C} - \text{H} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{CH}_2\text{OH}
 \end{array}$$
 (A)
$$\begin{array}{c}
 \text{CHO} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{CH}_2\text{OH}
 \end{array}$$
 (B)
$$\begin{array}{c}
 \text{CHO} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{HO} - \text{C} - \text{H} \\
 | \\
 \text{HO} - \text{C} - \text{H} \\
 | \\
 \text{CH}_2\text{OH}
 \end{array}$$
 (C)
$$\begin{array}{c}
 \text{CHO} \\
 | \\
 \text{HO} - \text{C} - \text{H} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{CH}_2\text{OH}
 \end{array}$$
 (D)
$$\begin{array}{c}
 \text{CHO} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{H} - \text{C} - \text{OH} \\
 | \\
 \text{CHO}
 \end{array}$$
115. Plexiglass (PMMA) is a polymer of:
 (A) Acrylic acid (B) Methyl acrylate
 (C) Methyl methacrylate (D) None of these