



## Biomolecules & Polymers

**Q.No.1:**

Synthesis of each molecule of glucose in photosynthesis involves:

**JEE 2013**

- A. 18 molecules of ATP
- B. 10 molecules of ATP
- C. 8 molecules of ATP
- D. 6 molecules of ATP

**Q.No.2:** Which one is classified as a condensation polymer?

- A. Teflon
- B. Acrylonitrile
- C. Dacron
- D. Neoprene

**Q.No.3:** Which polymer is used in the manufacture of paints and lacquers?

**JEE 2015**

- A. Bakelite
- B. Glyptal
- C. Polypropene
- D. Poly vinyl chloride

**Q.No.4:** Which of the vitamins given below is water soluble?

**JEE 2015**

- A. Vitamin C
- B. Vitamin D
- C. Vitamin E
- D. Vitamin K

**Q.No.5:** Which of the following compounds is **not** an antacid?

**JEE 2015**

- A. Aluminium hydroxide
- B. Cimetidine
- C. Phenelzine
- D. Ranitidine

**Q.No.6:** Which of the following statements about low density polythene is FALSE?

**JEE 2016**

- A. It is a poor conductor of electricity.
- B. Its synthesis requires dioxygen or a peroxide initiator as a catalyst.
- C. It is used in the manufacture of buckets, dust-bins, etc.
- D. Its synthesis requires high pressure.

**Q.No.7:** Which of the following is an anionic detergent?

**JEE 2016**

- A. Sodium lauryl sulphate
- B. Cetyltrimethyl ammonium bromide
- C. Glyceryl oleate
- D. Sodium stearate

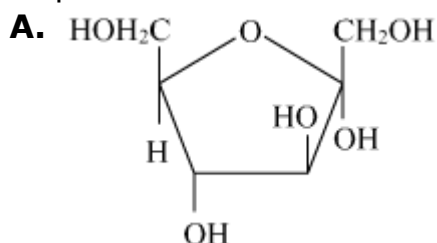
**Q.No.8:** Thiol group is present in:

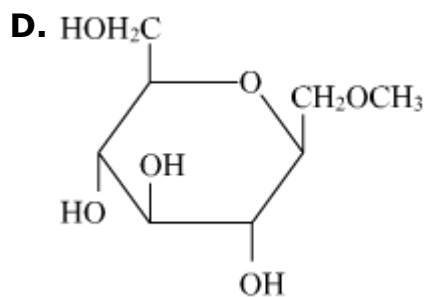
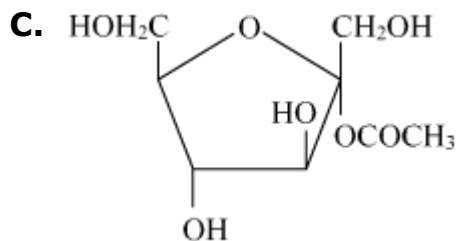
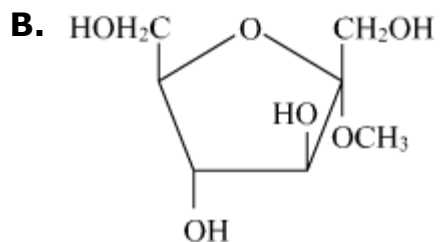
**JEE 2016**

- A. Cystine
- B. Cysteine
- C. Methionine
- D. Cytosine

**Q.No.9:** Which of the following compounds will behave as a reducing sugar in an aqueous KOH solution?

**JEE 2017**





**Q.No.10:** Which of the following products is obtained when glucose is treated with HI on prolonged heating?

**JEE 2018**

- A.** Hexanoic acid
- B.** 6-iodohexanal
- C.** *n*-Hexane
- D.** 1-Hexene