

Biomolecules

1. **Hydrolysis of sucrose with dilute aqueous sulphuric acid yields (EAMCET-2008)**
1) 1:1 D (+)-Glucose; D(-)- fructose
2) 1:2 D -(+)-Glucose; D(-)- fructose
3) 1:1 D (-)-Glucose; D-(+)- fructose
4) 1:2 D (-) Glucose; D-(+)- fructose
2. **Which of the following biomolecules acts as specific catalysts in biological reaction? (EAMCET -2007)**
1) Carbohydrates 2) Lipids 3) Vitamins 4) Enzymes
3. **A codon has a sequence of, and specifies a particular that is to be incorporated into a. What are? (EAMCET -2009)**
- | A | B | C |
|------------|--------------|--------------|
| 1) 3 bases | amino acid | carbohydrate |
| 2) 3 acids | carbohydrate | protein |
| 3) 3 bases | protein | amino acid |
| 4) 3 bases | amino acid | protein |
4. **Which of the following does not show mutarotation? (AIPMT 2010)**
1) (+) Lactose 2) (+) Maltose
3) (-) Fructose 4) (+) Sucrose
5. **Which of the following hormone contains iodine? (AIPMT 2009)**
1) Insulin 2) Adrenaline 3) Thyroxine 4) Progesterone
6. **Which of the following is an amine hormone? (AIPMT 2008)**
1) Insulin 2) Oxytocin 3) Thyroxine 4) Progesterone
7. **A segment of a DNA molecule which acts as the introduction manual for the synthesis of protein is (AIPMT 2009)**

