

Gurudas College

Department of Chemistry
Internal Examination 2021
Chemistry (Hons.)
Semester III (SEC)

Full Marks: 10

Time: 30 mins

Name: _____ University Roll No: _____

Registration No. _____ SEM. _____

Answer any 10 questions (MCQ AND MAT types)

10X1=10

- Which of the following is a reducing sugar?
a. Sucrose. b. trehalose c. isomaltose d. agar
- The protein present in hair
a. Keratin. b. Elastin. c. Myosin. d. tropocollagen
- Sulphur containing amino acid is
a. Methionine b. Leucine c. Valine d. asparagine
- Denaturation of proteins results in
a. disruption of primary structure b. breakdown of peptide bonds
c. destruction of hydrogen bonds d. irreversible changes in the molecule
- The number of double bonds in arachidonic acid is
a. 1. b. 2. c. 4. d. 6
- The importance of phospholipids as constituent of cell membrane is because they possess
a. fatty acids. b. both polar and nonpolar groups. c. glycerol. d. phosphoric acid
- A holoenzyme is
a. functional unit b. apoenzyme c. coenzyme d. all of these
- In noncompetitive enzyme activity inhibition, inhibitor
a. increases K_M b. Decreases K_M c. Does not affect K_M d. increases K_M
- Which of the following is a polymer of fructose
a. Inulin b. Dextrin c. Cellulose d. Glycogen
- Which of the following is anomeric pair?
a. D-glucose and L-glucose b. α -D-glucose and β -D-glucose
c. D-glucose and D-fructose d. α -D-glucose and β -L-glucose
- If a species contain 23% adenine in its DNA, then the % of guanine in its DNA would be
a. 23% b. 27% c. 54% d. 46%
- Worldwide, the most common vitamin deficiency is that of
a. Ascorbic acid b. Folic acid c. Vitamin A d. Vitamin D