

Pramukh Swami Science & H.D. Patel Arts College, Kadi
Bachelor of Vocation Pharmaceutical Chemistry Semester- II

Internal Examination, March-2018,

(PC-213) Fundamental Biochemistry

Time: 2 hours

31/03/2018

Total Marks:

60

Que-1. Answer any 12 questions. Each question carries 1 mark
[12]

1. _____ is formed by linking of a single type of monosaccharides.
2. Give any two examples of reducing sugars.
3. 5 carbon sugar _____ is present in RNA & _____ is present in DNA.
4. Disaccharide Lactose is composed of _____ & _____
5. _____ polysaccharide is also known as animal starch.
6. _____ is an example of Biological cement & _____ is an example of anticoagulant.
7. _____ fats have low iodine value but high Reichert- Meissel value.
8. What are phyosterols?
9. Give two examples of essential fatty acids.
10. Ceramide is composed of _____ & _____
11. Define emulsification.
12. Lipids are esters of _____ & _____
13. Give the name of any two biologically important disaccharides.

Que-2. Answer any five questions. Each question carries 4marks

[20]

1. Describe mutarotation with suitable example. Why monosaccharides exhibit mutarotation?
2. Differentiate between amylose & amylopectin.
3. Describe classification of monosaccharides.
4. Explain the structure & function of any one disaccharide.
5. Describe rancidity of fat/oil.
6. Differentiate between phospholipids & glycolipids.
7. SN: Waxes.

Que-3. Answer any four questions. Each question carries 7 marks
[28]

1. Define carbohydrates. How carbohydrates are classified?
2. Elaborate polysaccharides with examples.
3. Write a note on biological importance of carbohydrates.
4. Describe the classification of fatty acids.
5. Describe compound lipids and their functions.
6. What are derived lipids? Elaborate Steroids & Terpenes.