



[AHS 0321]

MARCH 2021

Sub. Code: 2734

(AUGUST 2020 EXAM SESSION)

B.OPTOM

FIRST YEAR (Regulation 2018-2019)

PAPER IV – BASIC BIOCHEMISTRY & NUTRITION

Q.P. Code : 802734

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Give a detailed account on sources, functions, deficiency disorders and hypervitaminosis of Vitamin A.
2. B-oxidation of palmitic acid – add a note on its Bioenergetics.
3. Hormonal regulation of blood glucose.

II. Write notes on:

(8 x 5 = 40)

1. Functions of carbohydrates.
2. Plasma proteins.
3. Enzyme inhibition.
4. Functions of sodium and potassium.
5. Obesity and its dietary management.
6. Antioxidants and eye.
7. Applications of radio isotopes.
8. Dietary fibre

III. Short answers on:

(10 x 3 = 30)

1. Bilirubin.
2. Tears.
3. PUFA.
4. Diabetes mellitus.
5. Mutarotation.
6. Chromatography.
7. Nitrogen balance.
8. Define BMI.
9. Define energy and its units.
10. Malnutrition.

