

FACULTY OF SCIENCE
B.Sc. CBCS I-Year (I-Semester) Regular Examinations, February/March-2023
Applied Nutrition and Public Health-I
(Basics of Biochemistry)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5=20 Marks)

Answer any Four questions from the following

1. Nutritional needs of the body.
2. Nutritional significance of Carbohydrates.
3. Deamination.
4. PEM.
5. Functions of Cholesterol.
6. Essential fatty acids.
7. RDA.
8. RQ.

SECTION-B

(4x15=60 Marks)

Answer all the following questions

9. (a) Define Nutrition and write in detail about Food groups.
(OR)
(b) Explain TCA cycle with its bioenergetics.
10. (a) Write about digestion and absorption of Proteins.
(OR)
(b) Give a detailed note on the structure of DNA and its functions.
11. (a) How do you classify Lipids, Explain?
(OR)
(b) Describe β – oxidation of Fatty acids.
12. (a) Differentiate between direct and indirect Calorimetry.
(OR)
(b) What is BMR and write about factors affecting BMR.