

TB252925Z

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2018, 2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
B.VOC FPT SEMESTER II - GENERAL
VFPT2G03B18 - Food Science and Nutrition II

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Tabulate the reference value of BMI given by WHO.
2. Differentiate between infantometer and stadiometer.
3. What is the role of fibre in existence of gut bacteria?
4. What are accessory organs? How does they aid in digestion?
5. Define the term dietary fibre.
6. Define the term proteins.
7. Give the classification of proteins based on nutritive value with examples.
8. How is urea formed in human body?
9. Define the term lipids. How is it basically classified?
10. What do you mean by "emulsification of fats"?
11. Which inborn disorder is also known as "black urine disease"? What are the symptoms?
12. What is meant by "fructosuria"? How does it effects normal metabolism?

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Write a note on five levels of body composition with neatly labelled diagram.
14. "Blood glucose level can be regulated using glucagon". Justify with the help of schematic representation.
15. Brief on factors affecting glycemic index of foods.
16. Write a note on non-oxidative deamination with an example.
17. Write a note on transamination in the presence of SGOT.
18. Write short note on the following about hyperlipidemia. a) Definition b) Causes c) Symptoms d) Prevention
19. What is meant by entero-hepatic circulation?
20. What is the relationship between MSUD and branched chain amino acid intake?
21. Tabulate the types of GSD in detail.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Elaborate on the steps to measure the following; a) Waist - hip ratio b) Skinfold thickness
23. Detail on the absorption, transport and excretion of carbohydrates.
24. "Proteins are simplified to amino acids by various enzymatic reactions". Substantiate and explain.
25. Explain cholesterol metabolism. How is it interconnected with lipid digestion?