



QP CODE: 21100406



Reg No :

Name :

B.Voc Degree Examination, FEBRUARY 2021

Second Semester

B.Voc Food Technology and Analysis

BOVG202 - NUTRITIONAL BIOCHEMISTRY

2018 Admission Onwards

9090EA7E

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

Each question carries 2 marks.

1. Explain functions of endoplasmic reticulum.
2. Define carbohydrates.
3. Describe monosaccharides.
4. Define digestion of fat.
5. Define apoproteins.
6. Mention acidic amino acid.
7. Write a note on zwitterions.
8. Discuss about biological functions of water soluble vitamins.
9. Explain beri-beri.
10. Write iron deficiency disorder.
11. Define energy.
12. Define BMR.

(10×2=20)

Part B

*Answer any **six** questions.*

Each question carries 5 marks.

13. Explain prokaryotes and its cellular organelles.
14. Describe classification of disaccharides.





15. Explain Krebs cycle.
16. Illustrate synthesis of fatty acid.
17. Briefly explain mechanism of protein synthesis.
18. Describe vitamin B complexes and its dietary sources.
19. Discuss about calcium.
20. Discuss about indirect method of energy determination.
21. Comment on reference man and reference woman.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write a detailed note on digestion and absorption of carbohydrate.
23. Explain Embden-Meyerhof pathway.
24. Explain lipids and its classification.
25. Explain lipoprotein. Give their structure and functions.

(2×15=30)

