

TB145540 A

Reg. No.....
Name

BSc. DEGREE. (C.B.C.S.S.) EXAMINATION 2016
SEMESTER V-HOME SCIENCE
HSC5 HNB- HUMAN NUTRITION AND BIOCHEMISTRY

Time: Three Hours

Maximum Marks: 60

PART A

I. Answer all questions (Each question carries 1 mark)

1. What is a food group?
2. Define cheilosis.
3. What is pellagra?
4. What is tubal pregnancy?
5. What is oedema?
6. Define glycemic index
7. Write a note on hyponatremia
8. What is pica?

(8x1=8)

PART B

II. Answer any six questions. (Each question carries 2 marks)

9. What is spina bifida?
10. What is meant by essential amino acids. List out.
11. What is anaemia?
12. What are goitrogens?
13. Explain skeletal fluorosis.
14. Explain protein sparing action.
15. What is Wernicke's encephalopathy?

(P.T.O)

16. What is Koilonychia?
17. Discuss the basic five food groups.
18. Write a note on rickets.

(6x2=12)

PART C

III . Answer any four questions (Each question carries 4 marks)

19. Mention the functions of vitamin C.
20. Write a note on the function of water.
21. Enumerate the factors affecting the absorption of calcium.
22. What is glycogenolysis?
23. Enumerate the functions of lipids.
24. Discuss the complications of pregnancy.

(4x4=16)

PART D

IV . Answer any two questions. (Each question carries 12 marks)

25. Define RDA. Explain the factors affecting RDA.
26. Write a note on old age under the following the headings;
 - a. Food requirements
 - b. Nutrition related problems
27. Explain calcium with reference to its function and factors favouring the absorption.
28. Discuss protein with reference to
 - a. Digestion
 - b. Metabolism

(2x12=24)