

TB145540A

Reg. No.....

Name

B. Sc. DEGREE. (C.B.C.S.S.) EXAMINATION , OCTOBER 2016
SEMESTER V- HOME SCIENCE
HSC5HNB - HUMAN NUTRITION AND BIOCHEMISTRY

Time: Three Hours

Maximum Marks: 60

PART A

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

1. What is food insecurity?
2. Define glycaemic index.
3. What is toxemia of pregnancy?
4. Name the hormone that stimulates milk production.
5. Define sarcopenia.
6. What is tetany?
7. What is meant by thermic effect of food?
8. Write a note on oedema.

(8x1=8)

PART B

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

9. Define reference women.
10. Define dietary fiber.
11. Write a note on food guide pyramid.
12. Define conjunctival xerosis.
13. What is water intoxication?
14. Write a note on pica.
15. What is colostrum?
16. What are essential fatty acids?
17. Explain the factors affecting BMR.
18. Write a note on ketone bodies.

(6x2=12)

PART C

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

19. Mention the changes during old age.
20. Discuss the complications of pregnancy.
21. Explain the disease of 4D's.
22. Discuss the functions of carbohydrates.
23. Explain vitamin A and vision.
24. Enumerate the functions of water .

(4x4=16)

PART D

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

25. Explain the determination of energy value using Bomb Calorimeter.

26. Explain protein under the following heads;
(a) Digestion (b) Metabolism
27. Write a note on the functions, deficiencies and sources of vitamin D.
28. Define food group. Explain the basic five food groups.

(2x12=24)