

TM242525U

8.4
Reg. No :

Name :

MASTER'S DEGREE (C.S.S) EXAMINATION, MARCH 2024

2023 ADMISSIONS REGULAR

SEMESTER II - CORE COURSE

FN2C05TM20 - Advanced Nutrition II

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight (8x1=8)

1. What is the role of angiotensin in water homeostasis?
2. State the physiological factors associated with thirst.
3. Describe the role of calcium in blood clotting.
4. Describe chloride shift.
5. What is selenosis?
6. What are goitrogens?
7. Bring out the various sources of Vitamin K and RDA for adults.
8. What is CRBP?
9. What is meant by egg white injury factor?
10. Explain the clinical symptoms of riboflavin deficiency.

Part B

II. Answer any Six questions. Each question carries 2 weight (6x2=12)

11. Explain insensible water loss in humans.
12. Discuss on the functions of calcium.
13. Describe the regulation of iron in human body with special reference to hepcidin.
14. What is fluorosis? How can it be prevented?
15. Bring out the role of Vitamin D in calcium homeostasis.
16. Describe the role of vitamin A in cellular differentiation.
17. Write notes on thiamine deficiency disorders.
18. Explain the clinical signs of riboflavin deficiency. Give 4 important sources.

Part C

III. Answer any Two questions. Each question carries 5 weight (2x5=10)

19. Discuss phosphorus under the following heads; a) Distribution b) Functions C) Absorption and d)Transport.
20. Explain the functions of iron. Discuss on the symptoms of iron deficiency.
21. Explain the various phases of free radical attack and elaborate on the role of Vitamin E in free radical scavenging.
22. Discuss on the functions of Vitamin C. Describe the clinical manifestations of Vitamin C deficiency.

