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Reg. No :

Name :

P.G.DIPLOMA (C.S.S) EXAMINATION, NOVEMBER 2024
2024 ADMISSIONS REGULAR
SEMESTER I - CORE COURSE Clinical Nutrition And Dietetics
CN1C03TPGD20 - Principles of Nutrition

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight

(8x1=8)

1. Write a note on food.
2. Write a note on BMR.
3. Discuss on energy balance.
4. Discuss on protein efficiency ratio with the formula.
5. What are the sources of carbohydrates ?
6. Write a note on trans fatty acids.
7. Brief on clinical symptoms of vitamin D deficiency.
8. Explain Wilson's disease.
9. Define the term obligatory water loss and mention the major electrolytes present in ICF and ECF.
10. Explain the interaction of iron with other nutrients .

Part B

II. Answer any Six questions. Each question carries 2 weight

(6x2=12)

11. Explain nutrition and discuss on key aspects of nutrition.
12. Describe energy balance and imbalance.
13. Discuss the factors affecting protein needs.
14. Discuss the functions of carbohydrate.
15. What are the functions of lipid?
16. Discuss on the deficiency of vitamin A.
17. Describe the functions of chloride and magnesium.
18. Write a note on water and electrolyte balance.

Part C

III. Answer any Two questions. Each question carries 5 weight

(2x5=10)

19. Discuss the classification of nutrients. Explain the non calorimetry methods.
20. Explain the different methods of evaluating protein quality. Enumerate the properties of dietary fibers.
21. Discuss on fat metabolism.
22. Discuss the functions of water and the role of kidney in water regulation.