

TM243293K

Reg. No :

Name :

MASTER'S DEGREE (C.S.S) EXAMINATION, FEBRUARY 2024
2022 ADMISSIONS SUPPLEMENTARY (SAY)
SEMESTER III - CORE COURSE Clinical Nutrition And Dietetics
ND3C11TM20 - Clinical Biochemistry

Time : 3 Hours

Maximum Weight : 30

Part A

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

(8x1=8)

1. Briefly write the metabolic changes of adipose tissue in different condition.
2. Briefly write about insulin receptors.
3. Briefly explain ketosis.
4. Discuss on LDL receptors
5. Briefly explain the functions of different types of prostaglandins.
6. Briefly write a note on antioxidant enzymes.
7. Write a note on various laboratory tests to detect coagulation disorders.
8. Describe albinism.
9. Discuss on fabry's disease.
10. Explain the relevance of glomerular filtration rate.



Part B

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

(6x2=12)

11. Explain the significance of nutrition and life style changes in metabolic syndrome.
12. Discuss the structure and synthesis of insulin.
13. Describe the term fatty liver and write the role of lipotropic factors in this condition.
14. Discuss different types of prostaglandins and explain their functions.
15. Define antioxidants. Explain the role of various nutrients as antioxidants.
16. Write a note on (1) aplastic anemia, (2) hemolytic anemia and (3) hemorrhagic anemia.
17. Discuss galactosemia.
18. Describe various types of haematological tests.

Part C

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

(2x5=10)

19. Write the production steps of insulin. What are the causative factors of metabolic syndrome?
20. Differentiate between various types of Apo A and Apo B apoproteins. Write the complete metabolism of ketone bodies.
21. How do free radicals damage the body? Explain different erythrocyte metabolic disorders.
22. Write a note on inborn errors of fat metabolism.