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TM241239S

Reg. No :

Name :

MASTER'S DEGREE (C.S.S) EXAMINATION, NOVEMBER 2024
2020, 2021, 2022, 2023 ADMISSIONS SUPPLEMENTARY
SEMESTER I - CORE COURSE Food Science And Nutrition
FN1C01TM20 - Human Physiology

Time : 3 Hours

Maximum Weight : 30

Part A

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

(8x1=8)

1. What is meant by bradycardia and tachycardia?
2. Define stroke volume and cardiac output.
3. Write a note on salivary glands.
4. Discuss composition of pancreatic juice.
5. Define tidal volume and vital capacity.
6. Discuss role of macrophages in the immune system.
7. Write a note on the thymus gland.
8. Write a note on calcitonin.
9. What is meant by infertility?
10. Write a note on Oogenesis.

Part B

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

(6x2=12)

11. Enlist unique properties of cardiac muscles.
12. Detail the composition and functions of bile.
13. Comment on oxygen dissociation curve and discuss factors influencing the same.
14. Explain functions of conducting zone in the respiratory tract.
15. Discuss causes and symptoms of hypothyroidism and hyperthyroidism.
16. Discuss how endocrine glands are related to cell growth and nutrition.
17. Discuss the role of progesterone and estrogen in pregnancy.
18. What are the phases of menstrual cycle?

Part C

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

(2x5=10)

19. Describe different phases of the cardiac cycle.
20. Describe common disorders of the digestive system.
21. Write an essay on the different components of immune function in the human body.
22. Explain structure, function and disorders of the thyroid gland.

