

TM211400TR

Reg. No :

Name :

M. Sc. DEGREE (C.S.S.) EXAMINATION, NOVEMBER 2021
[2021 Admissions Regular and 2020 Admissions Improvement & 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. Write a note on coagulation of blood.
2. Write a note on Electrocardiogram (ECG).
3. Discuss composition of pancreatic juice.
4. What is peristalsis?
5. Write a note on hypoxia.
6. Discuss role of macrophages in the immune system.
7. What is a synaptic transmission?
8. Write a note on neurotransmitters.
9. Comment on the function of epididymis in male reproductive system.
10. Write a note on the role of Follicle Stimulating Hormone.

Part B

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

(6x2=12)

11. What are heart sounds? Discuss their significance.
12. Describe the structure of the functional unit of kidney.
13. Differentiate antigens and antibodies.
14. Explain non specific defense mechanisms in the human body.
15. Draw the figure of a neuron and discuss role of neurons in communication.
16. Write a note on spinal nerves and discuss their function.
17. Discuss process of spermatogenesis and hormones involved.
18. Describe the functions of placenta and hormones produced by it.

Part C

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

(2x5=10)

19. Describe different phases of the cardiac cycle.
20. Describe the process of urine formation in the human body.
21. Explain the mechanism of chemical and nervous control of respiration.
22. Explain structure, function and disorders of the thyroid gland.