

TM171500E

Reg. No:

Name:

M. Sc. DEGREE (C.S.S.) EXAMINATION, NOVEMBER 2017
SEMESTER I – HOME SCIENCE (FOOD SCIENCE AND NUTRITION)
(2017 Admission Regular, 2016 Admission Supplementary/Improvement &
2015 Admission Supplementary)
FN1C01TM - HUMAN PHYSIOLOGY

Time: Three Hours

Maximum Marks: 75

PART A

I. Answer any five questions. Each question carries 3 marks.

1. List functions of plasma proteins.
2. Write a note on pancreas.
3. Comment on Chronic Renal Failure (CRF).
4. Discuss anoxia and types of anoxia.
5. Write a note on the structure of Neuron.
6. Discuss the functions of Sympathetic Nervous System.
7. Comment on the functions of placenta.

(5x3=15)

PART B

II. Answer any six questions. Each question carries 5 marks.

8. Discuss in detail the composition and functions of blood.
9. Explain the anatomy of the human digestive system with the aid of a figure.
10. Write a note on the regulation of respiration. Discuss renal function tests.
11. Explain the structure of brain.
12. Write a note on autonomic nervous system.
13. Explain the structure and function of pituitary gland.
14. Discuss the role of hormones in the maintenance of calcium homeostasis.
15. Write a note on the anatomical considerations of female reproductive system.

(6x5 =30)

PART C

III. Answer any two questions. Each question carries 15 marks.

17. Write an essay on the structure of heart and cardiac cycle.
18. Explain the structure of respiratory tract with the aid of a neat figure.
19. Write an essay on the structure of nephron and urine formation.
20. Discuss in detail the structure and function of accessory organs of digestive system.

(2x15 =30)