

TM211790TR

Reg. No :

Name :

MASTER'S DEGREE (C.S.S.) EXAMINATION, NOVEMBER 2021
[2021 Admissions Regular and 2020 Admissions Improvement & Supplementary]
SEMESTER I - CORE COURSE (CLINICAL NUTRITION AND DIETETICS)
ND1C02TM20 - HUMAN PHYSIOLOGY

Time : 3 Hours

Maximum Weight : 30

Part A

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

(8x1=8)

1. Detail on collagen and its synthesis.
2. Discuss on the structure of muscle proteins.
3. Discuss on clotting factor.
4. Write a note on PCV.
5. Write a note on neurohypophysis.
6. Write a note on special junctional tissues of heart.
7. How transport of oxygen occur in the body ?
8. Explain the hemopoietic function of gastric juice.
9. Write a note on GFR.
10. Write a note on reflex arc.

Part B

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

(6x2=12)

11. Write on the following changes in cell. a) Hyaline changes b) Mucoid changes c) Cellular swelling
12. Elaborate on the role of plasma proteins in our body.
13. Discuss the functions of glucocorticoids.
14. Define blood pressure. Explain the methods to measure blood pressure.
15. How digestion of carbohydrates occur in our body?
16. Detail on the composition of urine and factors affecting the urine volume.
17. Describe the anatomy of mammary gland.
18. Explain the structure of nerve cell with the help of a figure.

Part C

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

(2x5=10)

19. What would be the role of the lymphatic system, WBC, Platelets and plasma proteins in our body?
20. With the help of a diagram explain the structure and function of heart.
21. Explain the structure of nephron and urine formation.
22. Explain the structure of neuron and describe nerve cell as a conducting tissue and impulse transmission.