

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

BDS DEGREE EXAMINATION – August 2018
First Year

GENERAL HUMAN PHYSIOLOGY

Time: Three hours

Maximum: 100 marks

SECTION – A
Answer ALL Questions

I. ESSAY: **(1 x 15 = 15)**

1. Define Neuromuscular Junction. Discuss in detail the structure with suitable diagram and the mechanism of transmission across Neuromuscular Junction. Add a note on Myasthenia Gravis.

II. WRITE SHORT NOTES ON: **(3 x 5 = 15)**

2. Mechanism of HCl secretion.
3. Micturition reflex.
4. Spermatogenesis.

III. WRITE BRIEFLY ON: **(10 x 2 = 20)**

5. Rigor mortis.
6. Positive feedback mechanism.
7. List the ascending tracts.
8. Myxoedema.
9. Define cardiac output and mention the normal value.
10. Name the refractive errors.
11. Primary active transport.
12. List the pancreatic enzymes.
13. Functions of bile.
14. Accommodation reflex.

SECTION – B
Answer ALL Questions

IV. ESSAY: **(1 x 15 = 15)**

15. Define Erythropoiesis. Describe in detail the stages and factors influencing erythropoiesis. Add a note on anaemia.

V. WRITE SHORT NOTES ON: **(3 x 5 = 15)**

16. Transport of carbon di oxide.

17. Phases of Deglutition.

18. Taste pathway.

VI. WRITE BRIEFLY ON: **(10 x 2 = 20)**

19. Causes of Oedema.

20. Hormones of posterior pituitary.

21. Endocrine functions of kidney.

22. Functions of testosterone.

23. Muscles of Respiration.

24. REM sleep.

25. Functions of cerebellum.

26. Heart sounds.

27. Types of synapse.

28. Cushing's syndrome.

(Sl.No.M19069)