TB162985C **Reg. No:.....**

Name:.....

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2017
SEMESTER II - COMPLEMENTARY COURSE (PSYCHOLOGY)
PSY2B2 – NEUROPHYSIOLOGY OF BEHAVIOUR

Time: Three Hours **Maximum Marks: 80**

PART A

I. Answer all questions. Each question carries 1 mark.

1. What is a gene?
2. Define stress.
3. Define neurophysins.
4. What is pedigree?
5. Define antagonists.
6. Define haemophilia.
7. What is replication?
8. Define meditation.
9. Define DNA
10. Function of GABA.

(10 x 1 = 10)

PART B

II. Answer any eight questions. Each question carries 2 marks.

11. Define sexual behaviour.
12. What is behaviour genetics?
13. Define optic nerve
14. What is immune deficiency?
15. Role of genes.
16. Discuss transcription and translation.
17. Explain Action potential
18. What is ventral cochlear nucleus?
19. Placebo effect
20. Define sodium- potassium pump.
21. Immune deficiency
22. Discuss biofeedback.

(8 x 2 = 16)

PART C

III. Answer any six questions. Each question carries 4 Marks.

23. Define stress. What are the indicators of stress?
24. Define GAS. Explain different phases with the diagram.
25. Discuss Human Genome project.
26. Explain hypotahlamo hypophysial relationship.
27. Discuss about the brain and sexual behaviour.

28. Explain the sex linked and sex influenced characters.
29. Discuss about the nervous connections of the ear.
30. Discuss the hormones and its effects on sexual behaviour.
31. Discuss the modern concept of gene and gene action.

(6 x 4 = 24)

PART D

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

32. Explain the visual system
33. What are neurotransmitters? Discuss the communication within a neuron.
34. Write a note on Autonomic Nervous system.
35. Discuss about Mendel's contribution to behaviour genetics.

(2 x 15 = 30)