TB252528R

Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025

2023 ADMISSIONS SUPPLEMENTARY

Psychology SEMESTER II - COMPLEMENTARY COURSE 1

ZY2B02B23 - Biological Basis of Behaviour II

Time : 3 Hours **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks **(10x2=20)**

1. How do genes work?
2. Specify phenotype and genotype with two examples for each?
3. Differentiate the term dominant and recessive, with example, with regard to genetics?
4. How human sexual behaviour is regulated by nervous system and endocrine system?
5. Enumerate the factors that can affect the levels of female sex hormones?
6. Discuss the role of endocrine glands in human sexual behavior?
7. Mention some common internal sources of stress.
8. Discuss on how stress and emotions are connected.
9. List the anatomical changes during stress.
10. Write a short note on Circadian rhythms and biological clock?
11. Distinguish between theta and delta waves.
12. Mention the different types of arousal.

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. Describe Brachydactyly?
14. Write a short note on Autosomal anomalies?
15. Explain gene mutation ? Write a short note on Induced, Dominant, Recessive and Silent mutations?
16. Explain some stress management techniques that you would imply when under stress.
17. Explain the different body parts or organs that can be affected by stress?
18. Explain the role of central nervous system in stress and explain how it helps a person to react to stress?
19. Explain the role of autonomic nervous system in stress.
20. Discuss on the significance of EEG.
21. Describe the neurotransmitters that can affect sleep.

Part C

III. Answer any Two questions. Each question carries 15 marks **(2x15=30)**

22. Explain Somatic, gametic,point and silent mutations with example?
23. Explain the role of hypothalamus in fear and anger?
24. Explain on the different effects of stress along with the role of HPA axis in stress regulation.
25. Explain on the importance of biological rhythms and the various mechanisms and processes involved.