

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2024**SEMESTER 2 - PSYCHOLOGY****COURSE : 19U2CPBHS2: BIOLOGICAL BASIS OF BEHAVIOUR - PAPER II***(For Regular - 2023 Admission and Improvement / Supplementary – 2022/2021/2020 Admissions)*

Time : Three Hours

Max. Marks: 75

PART A**Answer All (1 mark each)**

1. Which genetic disorder is called as Trisomy-18?
2. Name a drug that produces low amplitude, fast activity in the EEG when the subject is asleep.
3. Non-sex chromosomes are called -----.
4. ----- is the brain's pleasure centre.
5. Lack of ----- result in Phenylketonuria.
6. First menstrual period is called -----.
7. The stage of GAS in which the body engages in fight-or-flight response is -----.
8. Name a natural pain killer produced in our body?
9. ----- is the restoration of mating behavior in males that have reached sexual satiation with one female and show a restoration of mating behavior when the original female is replaced with a novel female.
10. Brain wave with slightly higher amplitude compared to alpha waves with frequency 4–7 Hz is called -----.

(1 x 10 = 10)**PART B****Answer any 8 (2 marks each)**

11. Explain OR habituation?
12. What is sexual infantilism?
13. Mention a few orienting reflex.
14. What is wet dream?
15. Differentiate between incomplete dominance and co-dominance.
16. What are stressors?
17. Mention the seven dominant and recessive traits Mendel studied on pea plant?
18. Explain Punnett Square?
19. What is PMS?
20. What are pheromones?

(2 x 8 = 16)**PART C****Answer any 5 (5 marks each)**

21. Explain the modern concept of gene and gene action.
22. Explain three laws of inheritance.
23. Give a detailed account of fight or flight response.
24. What are the hormonal indicators of stress?

25. Elaborate on Encephale isole and Cerveau isole.
26. Explain transcription and translation.
27. Discuss the hormones and its impact in relation to sexual behaviour among males and females?

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Explain brain and sexual behaviour in detail.
29. Elaborate on Mendal's Principle.
30. Write in detail about stress and disease.
31. Explain gene mutation.

(12 x 2 = 24)