

B Sc DEGREE END SEMESTER EXAMINATION - JULY 2021
SEMESTER 2 : PSYCHOLOGY (COMPLEMENTARY)
COURSE : 20U2CPBHS2 : BIOLOGICAL BASIS OF BEHAVIOUR - PAPER II
(For Regular - 2020 Admission)

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. A genetic condition in which a male is born with an extra copy of the X chromosome
2. When the parents cross to produce offspring/progeny, the first progeny is called
3. Which genetic disorder is called as 5p monosomy?
4. Female's willingness and motivation to mate is called
5. 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.
6. A hormone that is essential for the secretion of milk in the mammary glands of mammals is.....
7. In what stage of the general adaptation syndrome is there a breakdown to internal organs and a weakening of the immune system?
8. Which adrenal gland releases cortisol?
9. Name a drug that produces slow wave EEG when the subject is behaviourally alert.
10. brain wave is produced when a person is alert but not actively processing information.

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. Explain how a father determines the sex of a child?
12. Explain mutation based on mode of origin.
13. Explain different types of hypoploidy.
14. What is sexual infantilism?
15. What are pheromones?
16. What is wet dream?
17. Define Stress.
18. What is PMS?
19. What is melanopsin?
20. What is alpha blocking?

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. Write a short note on sex linked, sex influenced and sex limited traits.
22. What are the types of point mutation?
23. Explain the modern concept of gene and gene action.
24. Discuss the hormones and its impact in relation to sexual behaviour among males and females?

25. Explain GAS?
26. What are the psychological and physiological indicators of stress?
27. Explain circadian rhythm in detail.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Elucidate genetic mutation disorders.
29. Elaborate on Mendal's Principle.
30. Explain the physiology of sexual behaviour.
31. Write in detail about stress and disease.

(12 x 2 = 24)