



23125877

QP CODE: 23125877

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, MAY 2023**

Second Semester

B.Sc Psychology Model I

Complementary Course - PY2CMT05 - BIOLOGICAL BASIS OF BEHAVIOUR

2017 ADMISSION ONWARDS

C3CE3F96

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is a repressor in an operon?
2. What is criss-cross pattern of inheritance?
3. What is silent mutation?
4. What do you mean by Trisomy 21?
5. Name the chromosomal anomaly due to monosomy of sex chromosome. Why this happens?
6. What is sexual development?
7. What are sex hormones?
8. Mention problems due to stress
9. What are endorphins?
10. What do you mean by arousal ?
11. Mention four physiological measures of alertness.
12. Define biological clock.

(10×2=20)





Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Briefly explain the three laws of Mendel.
14. Briefly explain the different types of mutation.
15. Describe the metabolic disorder due to the accumulation of homogentisic acid in blood and tissues.
16. Write notes on external cues of sexual behaviour.
17. Write a short note on brain and sexual behaviour.
18. Describe stress and stress response.
19. Describe briefly the hormonal indicators of stress.
20. Describe briefly the physiological indicators of stress.
21. Write short note on the Physiological conceptions of sleep.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write an essay on different chromosomal aberrations.
23. Write an essay on the inborn errors in metabolism.
24. Describe the role of hypothalamus in emotionality.
25. Write an essay on electroencephalography.

(2×15=30)

