



QP CODE: 21103348



21103348

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,
DECEMBER 2021**

Second Semester

B.Sc Psychology Model I

Complementary Course - PY2CMT05 - BIOLOGICAL BASIS OF BEHAVIOUR

2017 ADMISSION ONWARDS

1592C5C8

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Illustrate Mendel's monohybrid experiment.
2. What are pseudoautosomal genes?
3. Define point mutation.
4. What is somatic mutation?
5. What causes trisomy of sex chromosomes in Klinefelter syndrome?
6. What is Appetitive Behaviour?
7. What is meant by orgasm?
8. Define stress response.
9. How does the stress increases the hormonal levels in the body?
10. Define sleep.
11. What is alertness?
12. What is EEG?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain one gene-one enzyme hypothesis.





14. Distinguish between dominant and recessive mutation.
15. Describe the metabolic disorder due to the accumulation of homogentisic acid in blood and tissues.
16. Explain the role of hormones and their impact in sexual behaviour.
17. Describe the physiological motives and emotions.
18. Describe briefly the physiological indicators of stress.
19. 'Stress leads to heart diseases' Justify your answer with reasons.
20. Explain the relationship between stress and emotions.
21. Describe the Conceptions of sleep.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Write an essay on gene mutation disorders.
23. Write an essay on diseases due to Chromosomal Anomalies.
24. Describe the role of hypothalamus in emotionality.
25. Write an essay on the physiological conceptions of wakefulness and sleep.

(2×15=30)

