



QP CODE: 22103308



22103308

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, OCTOBER 2022**

Second Semester

B.Sc Psychology Model I

Complementary Course - PY2CMT05 - BIOLOGICAL BASIS OF BEHAVIOUR

2017 ADMISSION ONWARDS

2954F563

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is an operator in an operon?
2. What is Spontaneous mutation?
3. What is silent mutation?
4. What are the signs of Phenylketonuria?
5. What is Alkaptonuria?
6. What is Estrogen? What is its function?
7. Name the two parts of amygdala.
8. Define stress.
9. What are the different physiological indicators of stress?
10. What do you mean by circadian rhythm?
11. Mention four physiological measures of alertness.
12. What do you mean by wakefulness?

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Explain and illustrate Mendel's law of independent assortment.
14. Illustrate the mechanism of criss-cross inheritance.
15. Explain the characteristic features of XO Females.
16. Explain the dynamics of sexual behaviour.
17. Write notes on external cues of sexual behaviour.
18. Describe briefly the hormonal indicators of stress.
19. Write a short note on stress and diseases.
20. What are endorphins and describe its role in stress?
21. Write a short note on electroencephalography.

(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 Autosomal & Sex Chromosomal anomalies.
24. Write an essay on the physiological motives and emotions.
25. Describe the Conceptions of sleep.

(2×15=30)

