

QP CODE: 24020557



Reg No : .....  
Name : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, MAY 2024**

**Second Semester**

B.Sc Psychology Model I

**Complementary Course - PY2CMT05 - BIOLOGICAL BASIS OF BEHAVIOUR**

2017 ADMISSION ONWARDS

E3208307

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. State Mendel's law of segregation.
2. What is translation?
3. What is somatic mutation?
4. What do you mean by inborn errors in metabolism?
5. What is Klinefelter syndrome?
6. What is Leutinizing hormone? What is its function?
7. What is mean by orgasm?
8. What are the hormones involved during stress?
9. What is the relation between stress and emotions?
10. What do you mean by sleep ?.
11. What is alertness?
12. What do you mean by wakefulness?

(10×2=20)

**Part B**

*Answer any **six** questions.*

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





13. Describe sex-influenced genes with examples.
14. Distinguish between dominant and recessive mutation.
15. Write short notes on Alkaptonuria.
16. Write notes on Sexual behaviours.
17. Describe the physiological motives and emotions.
18. Describe stress and stress response.
19. Describe briefly the anatomical indicators of stress.
20. How will you relate stress and its relation with diseases.
21. Write short note on Circadian rhythms and biological clock.

(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. Explain the role of amygdala in emotionality.
25. Write an essay on electroencephalography.

(2×15=30)

