

**BA, BSc, BCOM DEGREE END SEMESTER EXAMINATION - MARCH 2026**

**UGP (HONS.) SEMESTER 4: DISCIPLINE SPECIFIC COURSE**

**COURSE: 24UZOODSC211: BEHAVIOURAL GENETICS AND PSYCHONEUROIMMUNOLOGY**

*(For Regular 2024 Admission)*

Time: 1.5 Hours

Maximum Marks: 50

**PART A**

**(Answer all 10 questions. Each question carries 1 mark)**

1. ....is the enzyme involved in Replication. (CO1, U)
2. The antibody that can cross placenta is..... (CO2, An)
3. Law of Independent assortment. (CO1, U)
4. Neurochemicals that are produced in brain during Stress is..... (CO4, An)
5. Differentiate between Euploidy & Aneuploidy. (CO1, An)
6. ....axis is activated during stress. (CO4, U)
7. The blood cells that is being affected by AIDS virus are..... (CO3, An)
8. Plasma cells. (CO2, R)
9. Epitope & Paratope. (CO2, An)
10. X linked diseases are more common in males because..... (CO1, An)

**(1 x 10 = 10)**

**PART B**

**(Answer any 5 questions. Each question carries 2 marks)**

11. Differentiate between DNA & RNA. (CO1, An)
12. Compare the effects of different types of stress on human body. (CO4, An)
13. How is Replication is different from Translation? (CO1, An)
14. Describe the basic structure of Immunoglobulin with diagram. (CO2, U)
15. Differentiate between Innate & Acquired immunity. (CO2, An)
16. Analyse the effects of biofeedback on human body. (CO3, An)
17. Explain Psychoneuroimmunology. (CO3, U)

**(5 x 2 = 10)**

**PART C**

**(Answer any 4 questions. Each question carries 5 marks)**

18. Explain the different steps involved in Phagocytosis with diagram. (CO2, U)
19. Write a note on Immunodeficiency disorders. (CO3, U)
20. Analyse the causes & symptoms of any two Gene mutation disorders. (CO1, An)
21. Describe the GAS model of stress. (CO4, U)
22. Explain the different types of Chromosomal mutations. (CO1, U)
23. Briefly explain primary and secondary lymphoid organs of Immunity. (CO2, U)

**(5 x 4 = 20)**

**PART D**

**(Answer any 1 question. Each question carries 10 marks)**

24. Explain the Mendelian Laws with proper crosses. (CO1, U)
25. Examine the hormonal , physiological & anatomical indicators of stress & different stress management techniques. (CO4, An)

**(10 x 1 = 10)**