PG Even Semester Exam, 2024

Life Science & Bioinformatics

4th Semester

COURSE NO. LS-652 (Z)

[Evolution and Behaviour]

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions,

1. Write an essay on the Darwin's theory of evolution. 14

Or

2. Write notes on the following: 7x2=14
   a. Point mutation
   b. Lanarkism

3. Write a descriptive note on the original new genes. 14

Or

4. Write notes on the following: 7x2=14
   a. Neutral evolution and its significance
   b. Molecular clock

5. Write an essay on the mechanisms of reproductive isolation and its role in evolution. 14

Or

6. Write notes on the following: 7x2=14
   a. Pre-requisites and significance of Hardy-Weinberg law
   b. Genetic drift

7. Discuss the different forms of memory. Describe the neural basis of learning and memory. 4+10=14

Or

8. Write notes on the following: 2+7=14
   a. Sleep and arousal
   b. Circordian and circ annual rhythm

9. Describe the phenomena of social communication and social dominance with suitable examples. 7+7=14

Or

10. Write notes on the following: 2x7=14
    a. Altruism
    b. Parental

★★★

2024/SEM/EVEN/09/26/LISB-652(Z)/176
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