Class: 12		Register Number						

SECOND HALF PORTION EXAMINATION OCT-2024-25

WELL DONE MATRIC.HR.SEC.SCHOOL, T.T.PURAM.

BIO ZOOLOGY   **Marks   : 35**

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SECTION – I

Choose the correct answer.   **(8X1=8)**

1. In the E waste generated by the mobile phones, which among the following metal is most abundant_____

     a) Copper   b) Silver   c) Palladium   d) Gold

2. Excess of fluoride in drinking water causes_____

     a) Lung disease   b) Intestinal infection   c) Fluorosis   d) None of the above

3. Who introduced the term biodiversity?

     a) Edward Wilson   b) Walter Rosen   c) Norman Myers   d) Alice Norman

4. Which one of the following are at high risk extinction due to habitat destruction

     a) Mammals   b) Birds   c) Amphibians   d) Echinoderms

5. Some organisms are able to maintain homeostasis by physical means

     a) Conform   b) Regulate   c) Migrate   d) Suspend

6. Which one of the following statements is true regarding DNA polymerase used in PCR?

     a) It is used to ligate introduced DNA in recipient cells

     b) It serves as a selectable marker   c) It is isolated from a Virus

     d) It remains active at a high temperature

7. The purpose of biological treatment of waste water is to

     a) Reduced BOD   b) Increase BOD   c) Reduce sedimentation   d) Increase sedimentation

8. Match the pathogens with respective diseases caused by them and select the correct match Using the codes given below.

     a) *Leishmania donavani*   - I. Amoebiasis   a)   A-II,   b) B-IV c) C-III d) D-I

     b) *Wuchereria bancrofti*   - II. Kala azar   b)   A-II,   b) B-IV c) C-I   d) D-III

     c) *Trypanosoma gambience*   - III. sleeping sickness c)   A-III,   b) B-I c) C-II d) D-IV

     d) *Entamoeba histolytica*   - IV. filariasis   d)   A-I,   b) B-IV c) C-III d) D-II

SECTION – II

Answer any four of the following questions.   **(4 X 2 = 8)**

9. List the common withdrawal symptoms of drugs and alcohol abuse.

10. Explain the Hypersensitivity reactions?

11. What is smog and how it is harmful for us?

12. Explain Tetracycline?

13. How many hotspots are there in India? Name them.

14. What is acclimatisation?

SECTION – III

III. Answer any three questions. Qn. 19 is compulsory.   **(3 X 3 = 9)**

15. Explain Ecosan Toilets?

16. What is Red Data Book? Mention it purpose?

17. Differentiate J and S shaped curve.

18. Draw and label the lymph node.

19. Explain Rosie?

SECTION – IV

IV Answer any two of the following.   **(2X5=10)**

20. Explain the effect of Air pollution?

       OR

   List out the various causes for biodiversity losses?

21. Tabulate and analysis of two species population interaction.

        OR

   Explain the structure of immunoglobulin with suitable diagram.

ALL THE BEST