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## SECOND REVISION TEST - 2025

Standard - XII

| Tin         | ne: 3.00 ms  | place of the state | LOGY                    | lylarice                 |
|-------------|--|--|-------------------------|--------------------------|
| 27          |  | PAR  | RT - I                  | 4-15                     |
| 1           | Answer all the question  | ıs.  |                         | 15x1=15                  |
| 1.          | Paedogenetic Parthenog   | enesis occurs i  | n ( )                   |                          |
|             | a) Aphis   | b) Gall fly  | c) Honey bees           | d) Solenobia             |
| 2.          | Which of the following m   | enstrual irregula  | arities is correctly ma | tched? 🤏 🐪 💮 💮           |
|             | a) Oligomenorrhoea   | <ul> <li>Excessive m</li> </ul>  | enstruation             |                          |
|             | b) Dysmenorrhoea   | <ul> <li>Irregularity of</li> </ul>  | menstruation            |                          |
|             | c) Menorrhagia   | - Painful mens   | truation                |                          |
|             | d) Amenorrhoea   | - Absence of n   | nenstruation            |                          |
| 3.          | Which of the following co  | don codes for n  | nethionine?             |                          |
|             | a) UUU   | b) UAA   | c) AUG                  | d) AUC                   |
| 4.          | Competition between spe  | ecies leads to.  |                         |                          |
|             | a) Extinction  | b) Symbiosis   | c) Amensalism           | d) mutation              |
| 5.          | The first ejaculation of th  | e semen is   |                         |                          |
|             | a) Infertility   | b) Spermarche  | e c) Orchidectomy       | d) Azoosperm             |
|             | Co-dominant blood group  |  |                         |                          |
|             | a) B   | b) AB  | c) A                    | d) 0                     |
| 7           | is used to lower   | plood cholester  | ol level                |                          |
|             | a) Clot buster   | b) Tetracycline  | c) Cyclosporin-A        | d) Statins               |
| 0           | Which of the following is  | not belonging to   | o the accessory gland   | as of the male?          |
| <b>J</b> .  | a) Cowper's gland b) Pr  | ostate gland c   | Bulbourethral gland     | s d) Bartholin's glands  |
| ۵           | Allergy involves   |  |                         |                          |
|             | -\ l-C   |  | c) IgE                  | d) IgM                   |
| 10          | Three children of a famil  | v have blood gi  | roups A, AB and B.      | What could be the        |
|             |  | 402  |                         |                          |
|             | - TATO and IBTO h) IBIB  | and IAIA   | c) IAIA and IOIO        | d) IAIB and IOIO         |
|             | Hershey and chase in th  | eir experiment   | used radio active isc   | otope of                 |
| П.          | a) sulphur & phosphorus  |  | b) Nitrogen & Sulph     | ur 🦟 💮                   |
|             |  |  | d) Carban & Hydron      | ien                      |
|             | c) Sulphur & Carbon<br>Which one of the followir                                     | a bacterium is   | not involved in ethan   | ol production?           |
| 12.         | Which one of the following   | viciae   | b) Ideonella sakaier    | nsis                     |
|             | a) Saccharomyces cere  |  | d) sarcina ventriculi   |                          |
|             | c) zymomonas mobilis<br>In the E-waste generated                                     | L butha mahila   | phones which amor       | g the following metal is |
| 13.         | In the E-waste generated   | by the mobile  | phones, while           |                          |
|             | most abundant?   |  | c) Palladium            | d) Gold                  |
| . 2         | a) Copper b) Silv  | er   |                         |                          |
| 4. \        | Which one of the following   | ig is true to gas  | truiation:              |                          |
| ٠.,         | a) Formation of multicellular structure from Zygote                                  |  |                         |                          |
| ٠.          | A washament of blastocyst to the uterine Wall  |  |                         |                          |
|             |  |  |                         |                          |
|             | in Farmation of three derm layer emplyo from Single layer of three derm layer emplyo |  |                         |                          |
| _ (         | Animals that can move fi   | rom Fresh wate   | er to sea water.        |                          |
| 5. <i>f</i> | a) Stenothermal b) Ana   | dromous  | c) Eurythermal          | d) Catadromous           |
| 8           | a) Stenothermal by And   | 1410111040   |                         |                          |

(2) XII Zoology PART - II Answer any six of the following. Q.No. 24 is compulsory 6x2 = 1216. What is "Apolysis"? 17. What is meant by "rete testis"? 18. What is "POCSO Act"? 19. What is "Criss - cross pattern of Inheritance"? 20. What is meant by "non-sense Codons"? 21. Define: - "Coacervates". 22. What are the three phases of plasmodium Life Cycle? 23. Define: "Stem Cell Banks". 24. Define: "Jordon's rule". PART - III III Answer any six of the following. Q.No. 33 is compulsory. 25. Differentiate: Isogamy and Anisogamy. 26. Define: "Amniocentesis". 27. What are the Applications of Karyotyping? 28. Draw and label the schematic structure of a transcription unit. 29. Define: "Anaphylaxis". 30. What is "Bioremediation"? Mention its types. 31. What are the criteria must be satisfied for patenting? 32. Differentiate: 'J' and 'S' shaped Curve. 33. What is "smog" and how it is harmful for us? PART - IV IV Answer the following questions briefly: 5x5 = 2534. a) Write any five major reproductive events in human beings. (OR) b) Write a short note on Medical termination of pregnancy (MTP) (OR) 35. a) Explain Genic balance in Drosophila. b) Explain the wobble hypothesis. Darwin's finches and Australian marsupials are suitable examples of adaptive (OR) radiation - Justify this statement. b) Explain the Life cycle of plasmodium in human beings. Tabulate the differences between primary and secondary immune responses. 37. a) (OR) Describe the steps involved in PCR. 38. a) Explain the Adaptation of terrestrial animals. Discuss the role of a person in protection and Conservation of forests.

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