

QP CODE: D3BZL2404

(Pages: 2)

Reg. No :

Name :

THIRD SEMESTER FYUGP EXAMINATION, NOVEMBER 2025

Discipline Specific Core (DSC) Course - Minor

ZOO3MN201 : Animal Diversity, Reproductive Biology & Developmental Biology

(Credits: 4)

Time: 2 Hours

Maximum Marks: 70

Section A

Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)

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| 1. Comment on the excretory system of <i>Penaeus</i> . | BL2 CO1 |
| 2. Name the Superclasses in the Division Gnathostomata with examples. | BL1 CO2 |
| 3. Assess the importance of scrotal positioning of testes in maintaining male fertility. | BL5 CO3 |
| 4. Compare differentiation, de-differentiation and re-differentiation. | BL4 CO4 |
| 5. Write about the features that helped Amphibians to thrive both in water and on land. | BL3 CO2 |
| 6. Comment on <i>Noctiluca</i> . | BL1 CO1 |
| 7. Distinguish between ingression and delamination. | BL2 CO4 |
| 8. Mention how amniocentesis is useful in detecting genetic diseases. | BL3 CO3 |
| 9. Comment on <i>Bungarus</i> . | BL4 CO2 |
| 10. Write short notes on determinate development of eggs with an example. | BL1 CO4 |

Section B

Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)

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| 11. Comment on Phylum Echinodermata, elaborating examples. | BL1 CO1 |
| 12. Write about the digestive system and the nervous system of <i>Oryctolagus cuniculus</i> . | BL1 CO2 |
| 13. Explain the stages of parturition with hormonal control. | BL4 CO3 |
| 14. Compare holoblastic and meroblastic cleavage with suitable examples. | BL4 CO3 |
| 15. Briefly explain different phases of menstruation. | BL1 CO3 |

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16. Differentiate between Phylum Annelida and Phylum Arthropoda.	BL1	CO1
17. Comment on Class Mammalia with examples.	BL2	CO2
18. Explain the causes of male and female infertility.	BL3	CO3

Section C

Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)

19. Explain how Super Class Pisces is different from Class Amphibia with the help of examples.	BL3	CO2
20. With the help of a suitable diagram explain the process of spermatogenesis and its hormonal control.	BL2	CO3

CO : Course Outcome

BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)