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Exam. Code : 107402

Subject Code: 2111

B.Sc. (Bio-Technology) Semester—II

ZOOLOGY-B

Paper—BT-I

Time Allowed—3 Hours] [Maximum Marks—40

Note:—All questions of Section A are compulsory. Attempt any five questions from Section B and two questions from Section C.

SECTION-A

- 1. Give short answers Each question carries 1 mark:
 - (a) How does metanephric kilney differ from mesonephric kidney?
 - (b) What is diabetes mellitus?
 - (c) What is the function of leydig cells?
 - (d) Differentiate between myelinated and unmyelinated nerve fibers.
 - (e) Draw a well labeled diagram of cardize muscle.
 - (f) Define the term hormone.
 - (g) Name the different types of jaw suspensions.
 - (h) What is the function of cerebellum? $8 \times 1=8$

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SECTION-B

| 2. | Write a note on visceral arches. | 4 |
|------|---|----------|
| 3. | Discuss the structure of skeletal muscle. | 4 |
| ŕ. | Write a note on structure of middle ear. | 4 |
| 5. | reglain the synaptic transmission at neuromusculjunction. | lar 4 |
| 6. | Give an account of various hormones secreted by adrer gland along with their functions. | nal 4 |
| 7. | Write a note on structure of pancreas. | 4 |
| 8. | Explain the role of formones in water balance mammals. | in 4 |
| 9. | Discuss the structure of manimalian testes. | 4 |
| | SECTION-C | |
| 10. | Discuss in detail the molecular casis of music contraction. | ele 6 |
| 11. | Write notes on : | |
| | (a) Adenohypophysis | |
| | (b) Oogenesis. | 6 |
| 12. | Explain the structure of mammalian kidney. Discutthe process of urine formation. | iss 6 |
| 13. | Discuss in detail the structure and function mammalian brain. | of 6 |
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