

B.Sc. (Honours) Examination, 2019
Semester–IV
Zoology
Course – CCT-IX
(Biology of Vertebrates: Aves to Mammalia)

(For Back Candidates)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer *any five* questions.

1. Write down the distinctive characters of Monotrimata. Comment on its affinities with reptiles, marsupials and eutheria. 5+3=8
 2. Describe in brief the male and female urinogenital system of rabbit with suitable diagram. 4+4=8
 3. Give a brief account on the adaptive radiation of Marsupials. Add a note on its significance of isolation. 6+2=8
 4. (a) Write the distinctive characters of the order-primates.
(b) Compare the distinctive features of ratitae and carinitae. 4+4=8
 5. Define bird migration. Which forces stimulate a bird to migrate? State the types of bird migration. State the different hypothesis regarding navigation. 1+2+2+3=8
 6. Describe the functional anatomy of the alimentary canal of Pigeon with suitable diagram and add a brief note on production and composition of Pigeon milk. 6+2=8
 7. What is aortic arch? Describe the arterial system of Pigeon with suitable diagram. 1+7=8
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