

CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN
NUVEM-GOA

B.Sc. CBCS Semester II Examination, July 2021

Subject Code: ZOC 102 Subject name: Diversity of Chordates and Genetics

Total Marks: 40 Duration: 2 hrs Date: 10/07/2021 Total No. of Pages: 01

Instructions: 1. All questions are compulsory.

2. Figures to the right indicate marks allotted to the question.

3. Illustrate your answers wherever necessary.

Q1. Answer any FIVE of the following:

- a) Write any four salient features of Chordates.
- b) Classify Cyclostomes up to classes giving a feature of each.
- c) Give the important characters of Mesozoic reptiles with reference to dinosaurs
- d) Write a note on order Primata.
- e) What are 'Sex-Limited Genes'? Write an example of the same.
- f) Give the classification of Chromosome based on centromere position.
- g) State the four features of 'Inbreeding'.
- h) What does the 'Dominance hypothesis of heterosis' propose?

Q2. Answer any SIX of the following:

- i. What are the strategies adopted by Aves for their aerial mode of life?
- ii. Briefly explain the parental care in amphibians.
- iii. Explain the different types of migration found in fishes.
- iv. Explain briefly the origin of mammals
- v. With the help of an example explain the concept of Multiple Alleles.
- vi. Write a note on Lampbrush Chromosome.
- vii. Elaborate on the types of Natural Mutations.
- viii. Explain the different measures adopted in 'Negative Eugenics'.

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