

Title of the Paper: **Chordates-II and Evolution**

SEM-III

Time allowed: 3 hrs

Maximum Marks: 40

Note: Attempt **Five** questions in all selecting **Two** questions each from each Section-A and B and the Entire Section-C which is compulsory. Each question in Section-A and Section-B carries 6 marks and compulsory question 7 carries 16 marks

Section-A

1. Write down the external characters of Pigeon 6
2. Describe female urinogenital system of *Uromastrix* 6
3. Give an account of flight adaptations 6
4. Classify any three of the following: (a) *Draco* (b) Python (c) *Crocodylus* (d) *Ardea*
(e) *Pavo* 6

Section-B

5. Explain the structure of eye in rat with well labelled diagram 6
6. Describe Darwin's Theory of Natural Selection 6
7. Discuss embryological evidences in support of Organic Evolution 6
8. Classify any three of the following animals up to order: (a) *Echidna* (b) *Didelphys* (c)
Manis (d) *Panthera* (e) *Funambulus* 6

Section C

9. Write short note on following:
 1. Dental formula of rat
 2. Crop in pigeon
 3. Femoral gland in *Uromastix*
 4. Pecten
 5. Jacobson's organs of *Uromastix*
 6. Homologous organs
 7. Atavism
 8. Poison apparatus of snakes 8x2=16