

(4)

7. Classify the following giving important characteristic feature of each: 7½

Draco keäe Jeekeäej Ce keäej les njeles Fvekeä Ücekeä ue#eCe  
elueeKelles

- (i) Draco  
Gllve elÜhekeäuee
- (ii) Duck billed platypus  
yeöeKe-ÜeeÜeer huešScheme
- (iii) Alytes  
ŠveeFšme

Unit-IV

FkeäeF-I V

8. Give comparative account of the pelvic girdles of amphibia, bird and mammal. 7½

GyeleÜej, he#eerSjebmIveÜej erkeäer'BeesCe ceKueeDeell/keäe Iegreveel cekeä  
elJeJ Ce oeepeles

9. Give an account of the evolution of aortic arches in the vertebrates. 7½

keälMes<sup>TM</sup> keäeJe pevleÜeeüell/cell<sup>TM</sup> eÜej Üeeheell/keäe Godlekeäeme keäe elJeJ Ce  
oeepeS~

A

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B.Sc. (Part-II) Examination, 2015

ZOOLOGY

First Paper

(Chordata)

*Time Allowed : Three Hours ] [ Maximum Marks : 50*

Note : Answer five questions in all. Question No. 1 is compulsory. Attempt one question from each unit. Illustrate your answers with suitable diagrams.

keäue heeBe Üellveell/keäe Göej oeepeS~ Üellve meB 1 DeeeveJeeÜe&rnw  
ÜelÜekeä FkeäeF&mes Skeä Üellve keäeüpeS~ Deheves Göej ell/keäe meel e  
GheÜeä jKeeÜeše oeepeS~

1. (a) Describe briefly the following: 3×5=15

Draco keäe meB#ehle JeCelle keäeüpeles :

- (i) Atrium  
Deeüevo
- (ii) Ctenoid scales  
ŠveeF [ Meukeä
- (iii) Lung fishes  
heghegme ceÜeeÜee

(2)

(iv) Doliolum

[es]reDeesice

(v) Ammocoete larva.

Sceemeš ueeJee

(b) Write Zoological names of the following:

erpecve keā pevleg Jekceerekeā vece eueeKees: 1 × 5 = 5

(i) Pigeon

keāyell ej

(ii) Crocodile

ceiej ceU

(iii) Lion

Mej

(iv) Parrot

leesee

(v) Saw fish

Deeje ceUueer-

Unit-I

FkeāF-I

2. Describe circulatory system of "Branchiostoma". 7½

yeff/keāUeemŠesee keā™eDej heej Jerve lēle keāe Jecēte keācepēles-

3. Draw labelled diagram of the following: 7½

erpecveeueeKeele keā vececekreāle eueše yeeveFūes:

(3)

(i) T.S. of 'Branchiostoma' through pharyngeal region.

'yeff/keāUeemŠesee' keā «emeveer mes netee nDee DeveemLekeāeŠ-

(ii) V.S. of 'Branchiostoma' through body wall.

'yeff/keāUeemŠesee' keāer onel/eebe mes netee nDee DeveemLekeāeŠ-

Unit-II

FkeāF-II

4. Describe external morphology of 'Herdmania'. 7½

n[keāe]vee keāer JeeCe Deekeāeefj keāer keāe Jecēte keācepēles-

5. What is reterogressive metamorphosis? Explain it with the help of an ascidian larva. 7½

DeDeesieecee™heevleJ Ce ekeāmes keānles nP 'Šefmed[ūeve ueeJee& keāe Goenj Ce odes nyles Fmes mecePeeFūes-

Unit-III

FkeāF-III

6. Write salient features of Amphibia. Classify it giving important characters and examples of each order. 7½

GyeUeUej keā Jeeh:#eāer ue#eCe eueeKees- Gmekeā ieCemleJ Iekeā keā JeecekeāJ Ce keāes Goenj Ce meefle mecePeeFūes-