

(4)

Unit-III / F-III

6. Give an account of various hormones secreted by Adrenal gland and their functions. 7½

DeeDejeketia «eLe Éej e oeeelele necearell/SJeb Gveka keaeUek keae  
elejej Ce oepeS-

7. Write short notes on the following : 7½

efecveueKele hej me#hle eShheeCeUeeBueeKeS :

(i) Cretinism

pel[Jecevele

(ii) Temperature regulation in reptiles.

mej emeheell/cellWebe efeUesCe-

Unit-IV / F-IV

8. What are the different classes of Carbohydrates? Describe briefly with suitable examples.

keaeyeenF [ \$ kei effeVle Jeie&keae-keae nP GeJeJe Goenj Ce  
me#hle me#hle ceWjeCelle keaepeS-

7½

9. Write short notes on the following : 7½

efecveueKele hej me#hle eShheeCeUeeBueeKeS :

(i) Hydrolases

neF [e#epe

(ii) Cholesterol.

keaeuemŠape-

A

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Roll No. \_\_\_\_\_

S-660

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

ZOOLOGY

Third Paper

(Physiology and Biochemistry)

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

Note : (i) Answer five questions in all. Question No.1 is compulsory and carries 20 marks. Attempt one question from each unit carrying 7½ marks.

keae heeble fMveelkae Göej oepeS~ fMve meb1 DeeDejeketia  
ni SJeb Fmeketia 20 Deleá nq fMvekae FkeaeF&mes 7½ Deleá  
keae Skeá fMve keaepeS~

(ii) Illustrate your answers with suitable diagrams.

meceJeJe j KeeeDeSeWmes Deheves Göej mebVle keaepeS~

1. (a) Write short notes on the following : 2×5

efecveueKele hej me#hle eShheeCeUeeBueeKeS :

(i) Respiratory centre

MJeeme keivō

(2)

- (ii) Diuresis  
ce~~ne~~el ee
- (iii) Ependymal cells  
Fhe~~C~~ [eFceue ke~~a~~Meke~~a~~S]
- (iv) Synapsis  
Uejceevje~~e~~
- (v) Lacteals  
ue~~k~~Ueume
- (b) Differentiate between the following :  
efecve~~ue~~Kele ceWDevlej mhe° ke~~a~~peS : 2×5
- (i) Striped Muscles and Unstriped Muscle.  
j~~s~~Kele ha~~M~~Je~~B~~ SJeb Dej~~s~~Kele ha~~M~~Je~~B~~
- (ii) Systole and Diastole  
Oek~~U~~e SJeb Omej Ce
- (iii) Exocrine glands and Endocrine glands  
Jee~~c~~eeJeer «~~L~~Je~~B~~ SJeb Devle: oeeJeer «~~L~~Je~~B~~
- (iv) Saturated and Unsaturated fatty acids.  
melle~~le~~ SJeb Demelle~~le~~ Jemee Decue
- (v) Pepsin and Trypsin.  
hesfmeve SJeb esfmeve

(3)

- Unit-I / Fk~~a~~E-I
2. Briefly describe the process of digestion and absorption of lipids. 7½  
Jemee ke~~a~~ he~~U~~eve SJeb DejelMe~~ee~~Ce ke~~a~~ melle~~le~~ ceWJeCe~~a~~ ke~~a~~peS~
3. Write short notes on the following : 7½  
efecve~~ue~~Kele hej melle~~le~~ e~~sh~~heeCe~~ee~~Be~~ue~~KeS :  
(i) Chloride shift  
ke~~ee~~j eF [ eMehes
- (ii) Hepatic Portal System.  
Ue~~k~~ale efjeefnke~~a~~ le~~le~~
- Unit-II / Fk~~a~~E-II
4. Describe the mechanism of Urine formation in Mammals. 7½  
mle~~ee~~Ue~~ee~~ce~~ee~~ efecve~~ue~~ ke~~a~~ efca~~ee~~le~~ee~~De ke~~a~~ JeCe~~a~~ ke~~a~~peS~
5. Write short notes on the following : 7½  
efecve~~ue~~Kele hej melle~~le~~ e~~sh~~heeCe~~ee~~Be~~ue~~KeS :  
(i) Sacromere  
meke~~a~~ce~~le~~j
- (ii) Tetany  
es~~S~~wee