FirstRanker.com
Firstranker's choice
www.FirstRanker.com

0231

www.FirstRanker.com

C

Total No. of Questions—**21**

Total No. of Printed Pages—**2**

Regd. No. | 1 | 8 | 6 | 0 | 2 | 2 | 3 | 5 | 2 | 0 |

Part III

ZOOLOGY, Paper - II

(English Version)

Time : 3 Hours] ***[Max. Marks : 60***

Note :— Read the following instructions carefully.

(*i*) Answer all the questions of Section 'A'. Answer **ANY SIX** questions in Section 'B' and answer **ANY TWO** questions in Section 'C'.

(*ii*) In Section 'A', questions from Sl. Nos. **1** to **10** are of very short answer type. Each question carries **TWO** marks. Every answer may be limited to **5** lines. Answer all these questions at one place in the same order.

(*iii*) In Section 'B', questions from Sl. Nos. **11** to **18** are of short answer type. Each question carries **FOUR** marks. Every answer may be limited to **20** lines.

(*iv*) In Section 'C', questions from Sl. Nos. **19** to **21** are of long answer type. Each question carries **EIGHT** marks. Every answer may be limited to **60** lines.

(*v*) Draw labelled diagrams wherever necessary for questions in Sections 'B' and 'C'.

SECTION-A

10×2=20

Note :— Answer all the questions in **5** lines each :

1. Name different types of papillae present on the tongue of man.

2. Differentiate between the "Columns of Bertin" and "Duct of Bellini".

www.FirstRanker.com

FirstRanker.com
Firstranker's choice

www.FirstRanker.com www.FirstRanker.com

3. Write any *two* differences between aerobic and anaerobic muscles.
4. Name the keystone bone of the cranium. Where is it located ?
5. "Colostrum is very much essential for the newborn infants." Justify.
6. Define the terms immunity and immune system.
7. Define "Spermiation" and "Spermiogenesis".
8. What is 'Amniocentesis' ? Name any *two* disorders that can be detected by "Amniocentesis".
9. Differentiate between "Apiculture" and "Aquaculture".
10. MRI scan is harmless. Justify.

SECTION B

6×4=24

Note :— Answer any SIX questions in **20** lines each :

11. Draw a neat labelled diagram of L.S. of a tooth.
12. Give an account of the disorders of Human respiratory system.
13. Give an account of the retina of the human eye.
14. Write a note on Addison's disease and Cushing's syndrome.
15. Describe the Genic Balance Theory of sex determination in Drosophila.
16. Distinguish between homologous and analogous organs with examples.
17. What is meant by genetic drift ? Explain genetic drift citing the example of Founder Effect.
18. Discuss in brief about 'Avian Flu'.

SECTION-C

2×8=16

Note :— Answer any TWO questions in **60** lines each :

19. What are multiple alleles ? Describe multiple alleles with the help of ABO blood groups in man.
20. Describe male reproductive system of a man. Draw a labelled diagram of it.
21. Give an account of working of the Human heart.

www.FirstRanker.com