

0231

A

Total No. of Questions - 21

Regd.

Total No. of Printed Pages - 2

No.

Part - III
ZOOLOGY, Paper - II
(English Version)

Time : 3 Hours

Max. Marks : 60

SECTION - A

10 × 2 = 20

- Note:**(i) Answer **ALL** Questions
(ii) Each Question carries **TWO** marks
(iii) All are very short answer type questions.

1. Give the dental formula of adult human beings.
2. Define glomerular filtration.
3. Write the difference between actin and myosin.
4. Name the keystone bone of the cranium. Where is it located?
5. Write the names of any four mononuclear phagocytes.
6. What is erythropoietin? What is its function?
7. Define spermiogenesis and spermiation.
8. What is 'amniocentesis'? Name any two disorders that can be detected by amniocentesis.
9. What is apiculture?
10. What does ADA stand for? Deficiency of ADA causes which disease?



[1 of 2]

P.T.O.

SECTION - B**6 × 4 = 24**

- Note:** (i) Answer **ANY SIX** questions.
(ii) Each question carries **FOUR** marks.
(iii) All are short answer type questions.
(iv) Draw labelled diagrams, wherever necessary.

11. What are the functions of liver?
12. How is respiratory movements regulated in man?
13. Draw a labelled diagram of the T.S of the spinal cord of man.
14. Write a note on Addison's disease and Cushing's syndrome.
15. Describe erythroblastosis foetalis.
16. What is meant by genetic drift? Explain genetic drift citing the example of Founder Effect.
17. Write a short note on the theory of mutations. *S*
18. Discuss in brief about 'Avian Flu'.

SECTION - C**2 × 8 = 16**

- Note:** (i) Answer **ANY TWO** questions.
(ii) Each question carries **EIGHT** marks.
(iii) All are long answer type questions.
(iv) Draw labelled diagrams, wherever necessary.

19. Describe chromosomal theory of sex determination. *9/10/23*
20. Describe female reproductive system of a woman with the help of a labelled diagram.
21. Write notes on the working of the heart of man. *9/10/23*



0231

[2 of 2]