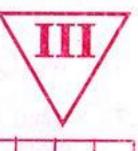
231 (idin or) (NEW SYLLABUS)



Total No. of Questions: 21 Total No. of Printed Pages: 2

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Part - III ZOOLOGY, Paper - II3

(English version)

Time: 3 Hours]

[Max. Marks: 60

Note: Read the following instructions carefully.

- (i) Answer all the questions in 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 of one place in the same order.
- (iii) In **Section-B**, questions from Skinos. 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 S. 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

 $10 \times 2 = 20$

Note: Answer all the guestions.

- 1. What is meant by Chloride Shift?
- 2. Define Glamerular filtration.
- 3. What is Friad system?
- 4. Name the key stone bone of the Cranium. Where is it located?
- 5. Distinguish between Diabetes insipidus and Diabetes mellitus.

- 6. What is Erythropoietin? What is its function?
- 7. What in your view are the reasons for the population explosion, especially in India?
- 8. What is Amniocentesis? Name any two disorders that can be detected by Amniocentesis?
- 9. What is 'Apiculture'?
- 10. Which substances in a sample are detected by direct and indirect ELISA respectively?

SECTION - B

 $6 \times 4 = 24$

Note : Answer ANY SIX questions.

- 11. How is respiratory movements regulated in man?
- 12. Draw a neat labelled diagram of L.S. Ptooth.
- Describe the structure of Synovial of the help of a neat labelled diagram.
- 14. Write short notes on B-cells.
- 15. Describe Erythroblastosis retains.
- 16. Distinguish between Honologous and Analogous organs.
- Explain Darwin's theory of Natural Selection with industrial melanism as an experimental proof.
- 18. Explain different types of Cancers.

SECTION - C

 $2 \times 8 = 16$

Note: Answer ANY TWO of the following questions.

- 19. Describe the structure of the heart of a man. Draw a neat labelled diagram of it
- Describe mile reproductive system of a man. Draw a labelled diagram
 of it.
- 21. What are multiple Alleles? Describe multiple alleles with the help of ABO blood groups in man.

March, 2014