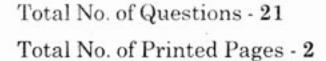
131

(New Syllabus)



	 		0.0	<u> </u>						
Regd. No.										
	 	1								

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

Time: 3 hours Max. Marks: 60

Instructions to Candidate:

- Answer all the questions of Section 'A'. Answer any six questions in Section 'B' and answer any two questions in Section 'C'.
- 2) In Section 'A', questions from Sr. 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.
- 3) In Section 'B', questions from Sr. Nos. 11 to 18 are of Short Answer Type. Each question carries four marks. Every answer may be limited to 20 lines.
- 4) In Section 'C', questions from Sr. Nos. 19 to 21 are of Long Answer Type. Each question carries eight marks. Every answer may be limited to 60 lines.
- 5) Draw labelled diagrams wherever necessary in Sections 'B' and 'C'.

SECTION A

Answer all questions in 5 lines each.

 $10 \times 2 = 20$

- 1. What is trinominal nomenclature? Give an example.
- 2. What is cephalization? How is it useful to its possessors?
- 3. Distinguish between exocrine and endocrine glands with examples.
- 4. Which is the strongest cartilage? In which regions of the human body do you find it?
- 5. What is Aristotle's lantern? Give an example of an animal possessing it.
- 6. How do you justify the statement, 'heart in fish is a branchial heart'?



- 7. Distinguish between lobopodium and filopodium. Give an example of each of them.
- 8. Distinguish between proter and opisthe.
- In what way does tobacco affect respiration? Name the alkaloid found in tobacco.
- 10. Define commensalism. Give an example.

SECTION B

Answer any six questions in 20 lines each.

- 11. Write a short note on in-situ conservation.
- 12. Describe the structure of a skeletal muscle.
- 13. What are the chief characters of the crustaceans.
- 14. Describe the male reproductive system of frog.
- 15. What are lateral appendages? Based on their presence and absence, write the various types of flagella giving at least one example for each type.
- 16. Why is adolescence considered a vulnerable phase?
- 17. Draw a neat and labelled diagram of ommatidium.
- 18. What is summer stratification? Explain.

SECTION C

Answer any two questions in 60 lines each.

- $2 \times 8 = 16$
- Describe the structure and life cycle of Ascaris lumbricoides with the help of a neat and labelled diagram.
- Describe the digestive system of cockroach with the help of a neat labelled diagram.
- 21. List the major 'air pollutants' and describe their effects on human beings.