



Total No. of Questions : 21

Total No. of Printed Pages : 2



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 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.
- (iii) 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.
- (iv) 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.
- (v) Draw labelled diagrams, wherever necessary for questions in Section - B and C.



SECTION - A

Note : Answer all the questions.

10x2=20

1. What is chyme ? ✓
2. What are the columns of Bertin ? ✓
3. Distinguish between red muscle fibers and white muscle fibers. ✓
4. Name the keystone bone of the cranium. Where is it located ? ✓
5. Which hormone is called anti-diuretic hormone ? Write the name of the gland that secretes it. ✓
6. Which hormone is commonly known as fight and flight hormone ? ✓ 
7. Define spermiogenesis and spermiation. ✓ ✓
8. What are the measures one has to take to prevent contracting STDs ? ✓
9. Define the terms layer and broiler. ✓ 
10. MRI scan is harmless - justify. ✓

SECTION - B



6x4=24

Note : Answer any six questions.

11. Draw a neat labelled diagram of L.S. of a tooth. ✓
12. Describe the disorders of respiratory system. ✓
13. Give an account of synaptic transmission. ✓
14. Write short notes on immunoglobulins.
15. How is sex determined in human beings ?
16. Distinguish between homologous and analogous organs. ✓
17. Explain Darwin's theory of Natural Selection with industrial melanism as an experimental proof. ✓
18. Honey bees are economically important - justify. ✓



SECTION - C

Note : Answer any two questions.

2x8=16

19. Describe the structure of the heart of man with the help of neat labelled diagram.
20. Describe female reproductive system of a woman with the help of a labelled diagram. ✓
21. What is crisscross inheritance ? Explain the inheritance of one sex linked recessive character in human beings. ✓



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