B.Sc IIIrd YEAR ZOOLOGY

PAPER – IV

APPLIED ZOOLOGY

MODEL QUESTION PAPER

Time : 3 Hrs) (Max Marks : 100

SECTION-I

(Long Answer Questions)

4 x 12 = 48

Answer any **four** questions choosing two from Sub section A, One from Sub section-B and one from Sub section-C

Draw diagrams wherever necessary

Sub section – A

(Fisheries and Aquaculture)

1. From Unit-I of the Syllabus.
2. From Unit-I of the Syllabus.
3. From Unit-I of the Syllabus.
4. From Unit-I of the Syllabus.

Sub section – B

(Clinical Science)

5. From Unit-II of the Syllabus.
6. From Unit-II of the Syllabus.

Sub section – C

(Animal Biotechnology)

7. From Unit-III of the Syllabus.
8. From Unit-III of the Syllabus.

SECTION-II

(Short Answer Questions)

Marks : 6 x 6 = 36

Answer any **six** questions choosing two from each Sub-section

Draw diagrams wherever necessary

Sub section – A

9. From Unit-I of the Syllabus.
10. From Unit-I of the Syllabus.
11. From Unit-I of the Syllabus.

Sub section – B

12. From Unit-II of the Syllabus.
13. From Unit-II of the Syllabus.
14. From Unit-II of the Syllabus.

Sub section – C

15. From Unit-III of the Syllabus.
16. From Unit-III of the Syllabus.
17. From Unit-III of the Syllabus.

SECTION – III

(Very Short Questions) Marks : 2 x 8 = 16

Answer any **eight** questions

18. From Unit-I of the Syllabus.
19. From Unit-I of the Syllabus.
20. From Unit-I of the Syllabus.
21. From Unit-I of the Syllabus.

22. From Unit-II of the Syllabus.
23. From Unit-II of the Syllabus.
24. From Unit-II of the Syllabus.
25. From Unit-II of the Syllabus.

26. From Unit-III of the Syllabus.
27. From Unit-III of the Syllabus.
28. From Unit-III of the Syllabus.
29. From Unit-III of the Syllabus.

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B.Sc IIIrd YEAR ZOOLOGY

PAPER – IV

APPLIED ZOOLOGY

MODEL QUESTION PAPER

Time : 3 Hrs) (Max Marks : 100

SECTION-I

(Long Answer Questions)

4 x 12 = 48

Answer any four questions choosing two from Sub section A, One from Sub section-B and one from Sub section-C

Draw diagrams wherever necessary

Sub section – A

(Fisheries and Aquaculture)

1. Write a note on induced breeding.
2. Give an account of Mariculture.
3. Explain the construction of Nursery pond and its management.
4. Write a note on Fishery byproducts.

Sub section – B

(Clinical Science)

5. Write an essay on types on Immunity.
6. Explain the problems in Blood transfusion.

Sub section – C

(Animal Biotechnology)

7. Give an account of Gene cloning.
8. Explain the application of stem cell technology.

SECTION-II

(Short Answer Questions)

Marks : 6 x 6 = 36

Answer any **six** questions choosing two from each Sub-section

Draw diagrams wherever necessary

Sub section – A

9. Describe the viral and bacterial disease of fish.
10. Write the methods of fish preservation.
11. Describe the various types of fisheries.

Sub section – B

12. Write the composition of blood.
13. Write a brief account on Hypersensitivity.
14. Write the structure and clinical significance of *Plasmodium*.

Sub section – C

15. Describe the steps in Gene cloning.
16. Write a brief note on Plasmids.
17. Define transgenesis ? Write a brief note on transgenic animals.

SECTION – III

(Very Short Questions) Marks : 2 x 8 = 16

Answer any **eight** questions

18. Tiger shrimp
19. Gill net.
20. Whirling disease
21. Freezing.
22. Leukemia
23. Epitope
24. Autopsy
25. Gravid proglatid
26. Cosmid
27. Restriction enzymes
28. DNA ligase
29. Parkinson's Disease

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