

2006

**ANIMAL HUSBANDRY, VETERINARY SCIENCE AND
FISHERIES****Paper 1***Time : 3 Hours]**] Maximum Marks : 300***INSTRUCTIONS***This paper consists of Set A and Set B.**Set A is for Animal Husbandry and Veterinary Science candidates.**Set B is for Animal Husbandry and Fisheries candidates.**Answers must be written in English. Care should be taken not to exceed, as far as possible, the suggested limit of words.**Each set has four parts :*

A	20 marks
B	100 marks
C	90 marks
D	90 marks

*Marks allotted to each question are indicated in each part.***SEAL**

SET A
Animal Husbandry and Veterinary Science

PART A

4×5=20

Answer each question in about 50 words. Each question carries 5 marks.

1. Write short notes on the following :
 - (a) Frozen semen
 - (b) Exclusive Economic Zone
 - (c) Protein – energy ratio
 - (d) Composition of cow milk

PART B

10×10=100

Answer each question in about 100 words. Each question carries 10 marks.

2. Explain the factors to be considered in the location of a dairy farm.
3. Write an account on energy sources in feeding livestock.
4. What are the factors for the success of artificial insemination in buffaloes ?
5. Explain briefly the marketing of meat in India.
6. Give an account on the export of fishes and prawns from India.
7. What are the nutrient requirements of pigs ?
8. Explain the factors affecting the growth rate of calves.
9. Mention the steps in the production of frozen semen.
10. What are the prospects of sheep rearing in India ?
11. State the steps for clean milk production.

[Turn over

PART C

6×15=90

Answer each question in about 150 words. Each question carries 15 marks.

12. Explain the breeding policy for cattle in India.
13. Describe briefly the different methods of packaging meat.
14. Write an account on the aquatic resources of India.
15. Explain the sources of protein in poultry nutrition.
16. Discuss the problems of goat management.
17. Describe the embryo transfer technology.

PART D

3×30=90

Answer any **three** of the following questions, each in about 300 words.
Each question carries 30 marks.

18. How does dairy farming in India compare with that in advanced countries like USA ?
19. Write an account on marketing of milk and milk products in India.
20. Discuss the role of fisheries in Indian economy.
21. Describe the hormonal control of mammary gland development, milk secretion and ejection of milk.
22. Give an account of the nutrient requirements for different categories of cattle.

] Turn over

SET B
Animal Husbandry and Fisheries

PART A

4×5=20

Answer each question in about 50 words. Each question carries 5 marks.

1. Write short notes on the following :
 - (a) Frozen semen
 - (b) Exclusive Economic Zone
 - (c) Pearl oyster
 - (d) Mariculture

PART B

10 · 10 = 100

Answer each question in about 100 words. Each question carries 10 marks.

2. Explain the factors to be considered in the location of a dairy farm.
3. Write an account on energy sources in feeding livestock.
4. What are the factors for the success of artificial insemination in buffaloes ?
5. Explain briefly the marketing of meat in India.
6. Give an account on the export of fishes and prawns from India.
7. Differentiate between penaeid and nonpenaeid prawns.
8. Explain carp seed production.
9. What do you understand by limnology ?
10. Write an account on hatchery production of prawn seed.
11. Give an account on composite culture.

[Turn over

PART C

6 × 15 = 90

Answer each question in about 150 words. Each question carries 15 marks.

12. Explain the breeding policy for cattle in India.
13. Describe briefly the different methods of packaging meat.
14. Write an account on the aquatic resources of India.
15. Discuss the economics of carps and shrimp farming.
16. Write an account on common aquatic weeds and their control.
17. Explain pond preparation and management.

PART D

3×30=90

Answer any **three** of the following questions, each in about 300 words.
Each question carries 30 marks.

18. How does dairy farming in India compare with that in advanced countries like USA ?
19. Write an account on marketing of milk and milk products in India.
20. Discuss the role of fisheries in Indian economy.
21. Write an account on the nutritional requirements of carps and prawns.
22. Explain prawn diseases and their treatment.

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**ANIMAL HUSBANDRY, VETERINARY SCIENCE AND
FISHERIES****Paper 2***Time : 3 Hours]**[Maximum Marks : 300***INSTRUCTIONS***This paper consists of Set A and Set B.**Set A is for Animal Husbandry and Veterinary Science candidates.**Set B is for Animal Husbandry and Fisheries candidates.**Answers must be written in English. Care should be taken not to exceed, as far as possible, the suggested limit of words.**Each set has four parts :*

- | | |
|----------|-----------|
| A | 20 marks |
| B | 100 marks |
| C | 90 marks |
| D | 90 marks |

Marks allotted to each question are indicated in each part.

SET A
Animal Husbandry and Veterinary Science

PART A

4×5=20

Answer each question in about 50 words. Each question carries 5 marks.

1. Write short notes on the following :

- (a) Feeding regime of pigs
- (b) Fish spoilage
- (c) Gene frequency
- (d) Endocrine glands

PART B

10×10=100

Answer each question in about 100 words. Each question carries 10 marks.

2. Write an account on the important draft breeds of cattle of Karnataka.
3. Discuss the status of cross breeding of sheep in India.
4. Explain the role of extension in animal husbandry.
5. Give an account of food poisoning caused by fish.
6. How are fish ponds polluted ?
7. Differentiate between heritability and repeatability.
8. Discuss the effect of raw milk quality on the quality of milk products.
9. Write an account on Ranikhet disease and its control.
10. Explain the legal standards for milk and milk products.
11. What are the problems of meat inspection in India ?

[Turn over

PART C**6×15=90**

Answer each question in about 150 words. Each question carries 15 marks.

12. Write an account on draught animal power in India.
13. Explain fodder production and preservation.
14. Discuss the role of fish in animal nutrition.
15. Write an account on general and specific combining ability.
16. Give an account on the incidence and control of Foot and Mouth disease in India.
17. What do you understand by zoonotic diseases ?

PART D

3×30=90

Answer any **three** of the following questions, each in about 300 words.
Each question carries 30 marks.

18. Discuss the dairy co-operative movement in India.
19. Explain the role of livestock in providing rural employment.
20. Write an account on the nutritive value of fish.
21. Discuss the different types and methods of selection and their effectiveness and limitations.
22. Write an account on by-products from slaughter houses and their utilization.

[Turn over

SET B
Animal Husbandry and Fisheries

PART A

4×5=20

Answer each question in about 50 words. Each question carries 5 marks.

1. Write short notes on the following :

- (a) Feeding regime of pigs
- (b) Fish spoilage
- (c) Handling of fresh fish
- (d) Sea weeds

PART B*10×10=100*

Answer each question in about 100 words. Each question carries 10 marks.

2. Write an account on the important draft breeds of cattle of Karnataka.
3. Discuss the status of cross breeding of sheep in India.
4. Explain the role of extension in animal husbandry.
5. Give an account of food poisoning caused by fish.
6. How are fish ponds polluted ?
7. What are the post mortem changes in fish ?
8. Explain the methods of preparation of various fish paste products.
9. Discuss the effect of quality of raw material on the final products.
10. Explain the types of fishing gears.
11. Write an account on different types of freezers and their uses.

[Turn over

PART C

6×15=90

Answer each question in about 150 words. Each question carries 15 marks.

12. Write an account on draught animal power in India.
13. Explain fodder production and preservation.
14. Discuss the role of fish in animal nutrition.
15. What is fish oil ? Explain its uses.
16. Write an account on canning of fish.
17. Explain briefly the commercial fishing methods.

PART D

3×30=90

Answer any **three** of the following questions, each in about 300 words.
Each question carries 30 marks.

18. Discuss the dairy co-operative movement in India.
19. Explain the role of livestock in providing rural employment.
20. Write an account on the nutritive value of fish.
21. Explain the indigenous and mechanized fishing crafts in India.
22. Give an account of freezing of fish.