

MIZORAM SUBORDINATE SERVICES SELECTION BOARD

**LIMITED DEPARTMENTAL EXAMINATION FOR PROMOTION TO VETERINARY
SUPERVISOR UNDER ANIMAL HUSBANDRY & VETERINARY DEPARTMENT.
OCTOBER, 2021**

PAPER - III

Time Allowed : 3 hours

Full Marks : 100

Marks for each question is indicated against it.

Attempt all questions.

**Part – A : LIVESTOCK AND POULTRY HUSBANDRY
(50 marks)**

1. Choose the correct answer : **(5x1=5)**

- (i) Act of parturition in pig is known as
(A) Foaling (B) Queening
(C) Farrowing (D) Calving
- (ii) Average gestation period of pig is
(A) 104 days (B) 114 days
(C) 124 days (D) 134 days
- (iii) Type of estrus in cow is
(A) Monoestrus (B) Diestrus
(C) Polyestrus (D) Seasonal polyestrus
- (iv) Finisher ration for layer chicken is given from
(A) 10 weeks and onwards (B) 15 weeks and onwards
(C) 20 weeks and onwards (D) None of these
- (v) Average gestation period of a dairy cow is
(A) 265 days (B) 285 days
(C) 300 days (D) 315 days

2. State whether the following statements are True or False : **(5x1=5)**

- (a) Byre is the housing place for cattle.
(b) Sty is the housing place for pig.
(c) Stud bull is a castrated male ox of over 2 years.
(d) Lambing is the act of parturition in goat.
(e) Gilt is a young female pig used for breeding.

3. Match the following columns : **(4x1=4)**

- | Column 'A' | Column 'B' |
|-------------------|----------------------------|
| (a) Capon | (i) Goat |
| (b) Cockerel | (ii) Sheep |
| (c) Ovine | (iii) Castrated male bird |
| (d) Kidding | (iv) A male, immature bird |

4. Answer *any four* of the following questions : (4x4=16)
- (a) What are the points to be considered in the selection of hatching eggs ?
 - (b) What are the parameters for selection of female piglet for breeding ?
 - (c) Write any four advantages of early weaning in pigs.
 - (d) Mention the different signs of heat in farm animals.
 - (e) What are the parameters for selection of Boars ?
5. Answer *any two* of the following questions : (2x10=20)
- (a) Write care and management of sows and piglets during and just after parturition.
 - (b) Write care and management of cow and calf during and after calving.
 - (c) Describe the management of chicks in the brooder.

Part – B : BASIC FARM MANAGEMENT
(50 marks)

6. Choose the correct answer : (5x1=5)
- (i) Cousin mating is an example of
 - (A) close breeding
 - (B) line breeding
 - (C) cross breeding
 - (D) grading up
 - (ii) Floor space requirement for a farrowing pig is
 - (A) 20 - 40 sq. ft.
 - (B) 40 - 60 sq. ft.
 - (C) 60 - 80 sq. ft.
 - (D) 80 - 90 sq. ft.
 - (iii) Floor space requirement for breeding boar is
 - (A) 20 - 30 sq. ft.
 - (B) 30 - 40 sq. ft.
 - (C) 40 - 50 sq. ft.
 - (D) 50 - 60 sq. ft.
 - (iv) Average gestation period of goat is
 - (A) 4 months
 - (B) 5 months
 - (C) 6 months
 - (D) 7 months
 - (v) Dehorning in calf is done before it is
 - (A) 10 days old
 - (B) 20 days old
 - (C) 30 days old
 - (D) None of these
7. State whether the following statements are True or False : (7x1=7)
- (a) Grower ration is absent in Broiler poultry feeds.
 - (b) Weaning age of pig is 8 weeks.
 - (c) Method of identification that causes partial burning of the tissue is called ear notching.
 - (d) Goat is a carnivorous animal.
 - (e) Harmless method of marking and identification in animal is ear tagging.
 - (f) Most commonly used method of casting is Reuff's method.
 - (g) Magnesium Sulphate is used for fumigation.

8. Match the following cloumns :

(4x1=4)

Column 'A'

- (a) Ear notching
- (b) Pig
- (c) Cow
- (d) Branding

Column 'B'

- (i) Omnivorous animal
- (ii) Herbivorous animal
- (iii) Most common method of marking in cattle
- (iv) Most common method of marking in swine

9. Answer *any six* of the following questions :

(6x4=24)

- (a) What are the advantages of colostrum over normal milk ?
- (b) Write care and management of breeding bull.
- (c) What are the advantages of drying off cows ?
- (d) What categories of animals are to be culled from the herd ?
- (e) Mention five (5) sanitation programmes.
- (f) Classify systems of breeding.
- (g) Write down the disadvantages of inbreeding.

10. (a) Define Sanitation. Describe its importance in livestock farm.

(2+8=10)

OR

(b) Describe the hygienic practices to be adopted in a livestock farm to get adequate sanitation.

(10)

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