

**B.V.Sc. & A.H. (First Professional) Examination – 2023**  
**Livestock Production Management Paper –II**  
**(MSVE 2016)**

**Time: Three Hours**

**Maximum Marks: 100**  
**Weightage: 20**

- Unit-6 : Poultry Production Management.  
Unit-7 : Diversified Poultry Production and Hatchery Management.  
Unit-8 : Laboratory or Rabbit or Pet Animal Production Management.  
Unit-9 : Swine or Equine or Camel, Yak and Mithun Production Management.

**Instructions:**

- 1) Attempt all questions
- 2) Answer of all questions is to be written in the space provided along with the question in question-booklet.
- 3) Overwriting is not allowed in the objective type question.

**Q.1 Fill in the blanks.**

(20x0.5 = 10)

- 1.1 A temperature of \_\_\_\_\_<sup>o</sup>C appears to be ideal for chicken during growing period.
- 1.2 Piglet anaemia generally occurs at the age of \_\_\_\_\_ weeks.
- 1.3 Act of parturition in rabbit is known as \_\_\_\_\_.
- 1.4 The smallest pig of a litter usually the last to be farrowed is called \_\_\_\_\_.
- 1.5 Egg laid day after day without any break is called \_\_\_\_\_.
- 1.6 Testing of Doping in race horses is done by \_\_\_\_\_.
- 1.7 The volume of ejaculate in boar is about \_\_\_\_\_ ml.
- 1.8 Gestation period of a hamster is \_\_\_\_\_ days.
- 1.9 A stallion may be given \_\_\_\_\_ meters as stallion box/ room for accommodation.
- 1.10 Kitten starts hearing and seeing after \_\_\_\_\_ days.
- 1.11 Least distance between the two nearest poultry farms in case of a breeder farm is \_\_\_\_\_.
- 1.12 Mating process in camel takes about \_\_\_\_\_ minute.
- 1.13 Canine teeth in male horses appear at the age of \_\_\_\_\_.
- 1.14 The yolk constitutes approximately \_\_\_\_\_ % of the total weight of the egg.
- 1.15 Average life span of mice is \_\_\_\_\_.

- 1.16 Eggs should be held in \_\_\_\_\_ position inside the setter.
- 1.17 Ideal humidity to be maintained in a hatcher for hatching chicken eggs is \_\_\_\_\_.
- 1.18 Act of egg laying is known as \_\_\_\_\_.
- 1.19 Scientific name of Mithun is \_\_\_\_\_.
- 1.20 NRC on Yak is situated at \_\_\_\_\_.

**Q.2 Choose the most suitable answer and write the number of the correct answer 1 or 2 or 3 or 4 in the space given against each sub question: (20x0.5 = 10)**

- 2.1 Ovulation in sow occurs after the onset of heat ( )  
1. 10-15 hrs  
2. 24-48 hrs  
3. 50-55 hrs  
4. 60-65 hrs
- 2.2 The optimum temperature for chicken egg in a hatcher is ( )  
1. 92.5<sup>0</sup>F  
2. 95.5<sup>0</sup>F  
3. 98.5<sup>0</sup>F  
4. 101.5<sup>0</sup>F
- 2.3 Regular culling of unhealthy, unproductive and diseased birds is included in ( )  
1. Conceptual biosecurity  
2. Structural biosecurity  
3. Operational biosecurity  
4. Locational biosecurity
- 2.4 Copper deficiency in pigs causes ( )  
1. Dermatitis  
2. Peculiar leg condition  
3. Patches on skin  
4. Blindness
- 2.5 Chances of selective feeding is maximum in which method of poultry feeding ( )  
1. All mash feeding  
2. Whole grain feeding  
3. Pellet feeding  
4. None
- 2.6 Manipuri horse is used commonly for ( )  
1. Riding  
2. Draught  
3. Polo  
4. Pack
- 2.7 Traditional cheese made up of Yak milk is known as ( )  
1. Shyow  
2. Chhurpi  
3. Khachu  
4. Tema

- 2.8 Gestation period in camel is ( )  
1. 510 days  
2. 110 days  
3. 389 days  
4. 289 days
- 2.9 What is the name for 20 weeks age young rabbit? ( )  
1. Lamb  
2. Kid  
3. Bunny  
4. None of the above
- 2.10 Light intensity in lab animal house should not exceed ( )  
1. 250 lux  
2. 350 lux  
3. 550 lux  
4. 650 lux
- 2.11 Average length of estrus cycle in guinea pig is ( )  
1. 16 days  
2. 12 days  
3. 21 days  
4. 30 days
- 2.12 Site of fertilization in Poultry is ( )  
1. Uterus  
2. Oviduct  
3. Vagina  
4. Infundibulum
- 2.13 Australorp breed of poultry belongs to \_\_\_\_\_ class ( )  
1. Asiatic  
2. English  
3. Mediterranean  
4. American
- 2.14 The number of permanent teeth in pig is ( )  
1. 32  
2. 20  
3. 44  
4. 36
- 2.15 Ideal market weight of pig at slaughter should be ( )  
1. 40-50 kg  
2. 80-90 kg  
3. 120 -150 kg  
4. 150-200 kg
- 2.16 Egg shell membrane of poultry is synthesized in ( )  
1. Isthmus  
2. Oviduct  
3. Magnum  
4. Uterus
- 2.17 Total egg white is \_\_\_\_\_ % of egg weight ( )  
1. 58  
2. 75  
3. 68  
4. 89

- 2.18 For better hatchability CO<sub>2</sub> level in setter should be \_\_\_\_ % ( )
1. 0.3-0.5
  2. 0.9-1.0
  3. 0.01-0.05
  4. 2-3
- 2.19 Normal altitude at which Yak can dwells? ( )
1. 3000-4500 meter
  2. 1500-2200 meter
  3. 8000-10000 meter
  4. All
- 2.20 NRC on Mithun is situated at \_\_\_\_\_ ( )
1. Arunachal Pradesh
  2. Nagaland
  3. Manipur
  4. Assam

**Q.3 Attempt any ten out of the following twelve questions. Answer of each question should be in 2 to 3 lines. (10x2.0= 20)**

3.1 Phase feeding in layer poultry

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3.2 Integrated farming

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3.3 Pen mating

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3.4 Vices in horses

3.5 Operational Biosecurity

3.6 Disinfection

3.7 Qualitative feed restriction in poultry

3.8 Diseases in Hamster

3.9 Contract Farming

3.10 Utility of dogs

3.11 Vices of camel

3.12 Peculiarities of yak

**Q.4 Attempt any six out of the following eight questions. Answer of each question should be in 8 to 10 lines. (6 x 6.0 = 36)**

4.1 Write about egg structure along with physical and chemical composition.

4.2

Write about the care and management of race horses.

4.3

Write in detail about techniques of disposal, utilization and recycling of Livestock waste.

4.4 Write about the feeding schedule of Dogs and cats.

4.5 What are the merits and demerits of pig raising in India?



4.6 Write about breeding and selection techniques for optimum production of Rabbit.

4.7 Write about the 10 principal points for consideration of poultry feed formulation.

4.8 What is feed additive? Write about the different feed additives and their functions.

**Q.5 Answer the following question in 1-2 pages (attempt any two). (2x12.0 = 24)**

- 5.1 What are the advantages of proper housing? Write in detail about the housing for different categories of pigs in an organized farm.
- 5.2 Explain routine health care of horses. Give in details about care and management of new born foal.
- 5.3 Write about care and management along with vaccination schedule of layer poultry birds.