

**B.V.Sc. & A.H. (First Professional) Examination – 2021-22**  
**Livestock Production Management Paper –I**  
**(MSVE 2016)**

**Time: Three Hours**

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

- Unit-1 : General Livestock Management  
Unit-2 : Fodder Production and Conservation  
Unit-3 : Livestock Production Management-Ruminants  
Unit-4 : Zoo Animal Production Management  
Unit-5 : Animal Welfare

**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 Growing female of bovine species before parturition is known as.....
- 1.2 As per 20<sup>th</sup> census, the total Indian livestock population is.....million.
- 1.3 Seasonal migration on specified route is..... extensive production system.
- 1.4 A good dairy animal possess ..... shaped body.
- 1.5 ..... is the separation of apparently healthy animal.
- 1.6 ..... is the tallest indigenous sheep breed.
- 1.7 Rajasthan lies in ..... agro-climatic region of India.
- 1.8 ..... most renowned draught purpose cattle breed of Rajasthan.
- 1.9 Wall eyes are typical feature of .....breed of buffalo.
- 1.10 The colostrum should be fed to calf @.....% of body weight.
- 1.11 The optimum length of calving interval in cattle is.....months.
- 1.12 Gestation period of goat is .....days.
- 1.13 Carbohydrate rich, thin and hollow stem crops are suitably conserved as.....
- 1.14 Chetak (S-244) is the variety of.....fodder crop.
- 1.15 Feeding of wilted.....is associated with cyanide toxicity in livestock.
- 1.16 Tusk less male elephant is also known as.....
- 1.17 .....is the official symbol of WWF.
- 1.18 CPCSEA stands for.....
- 1.19 National Institute of Animal Welfare is located at.....
- 1.20 Animals used for the purpose of entertainment to which the public are admitted through the sale of tickets are called as.....

**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 Minimum covered area required for an adult cow in loose housing system: ( )
1. 3.5 square meter
  2. 4.0 square meter
  3. 7.0 square meter
  4. 8.0 square meter
- 2.2 Most suitable chemical for disinfection of manure at the farm is: ( )
1. Bleaching powder
  2. Caustic soda
  3. Lime
  4. Phenol
- 2.3 National council for organic farming is located at: ( )
1. Ghaziabad (UP)
  2. Bhopal (MP)
  3. Hyderabad (AP)
  4. Kolkata (WB)
- 2.4 Ideal udder shape in dairy animal should be: ( )
1. Rectangular
  2. Bowl
  3. Round
  4. Square
- 2.5 Standard lactation length in dairy animal is: ( )
1. 275 days
  2. 365 days
  3. 305 days
  4. 250 days
- 2.6 Highest milk producer indigenous cattle breed is: ( )
1. Gir
  2. Kankrej
  3. Sahiwal
  4. Tharparkar
- 2.7 The green fodder requirement of an adult buffalo is around: ( )
1. 20-25 Kg
  2. 40-50 Kg
  3. 80-90 Kg
  4. 100-110 Kg
- 2.8 Most suitable method of hand milking is: ( )
1. Knuckling
  2. Fisting
  3. Full hand
  4. Stripping
- 2.9 Act of mating in sheep is known as: ( )
1. Serving
  2. Topping
  3. Covering
  4. Coupling

- 2.10 Optimum age of disbudding in calf is : ( )
1. 2 weeks
  2. 4 weeks
  3. 6 weeks
  4. 8 weeks
- 2.11 Most suitable annual Kharif season cereal fodder crop for cultivation in semi-arid region: ( )
1. Teosinte
  2. Maize
  3. Pearl millet
  4. Berseem
- 2.12 Characteristics of a good silage : ( )
1. Khaki colour
  2. Vinegar like smell
  3. Both 1 and 2
  4. None
- 2.13 Perennial leguminous fodder crop is: ( )
1. Berseem
  2. Guara
  3. Lucerne
  4. Cow pea
- 2.14 Wild life protection act was enacted in .....year: ( )
1. 1965
  2. 1972
  3. 1975
  4. 1980
- 2.15 Which of the following is true about elephant? ( )
1. Asian elephants are larger than African elephants
  2. Both sexes have tusks in African elephants
  3. Ears of Asian elephants are larger than African elephants
  4. Both sexes have tusks in Asian elephants
- 2.16 Indian wild dogs are called as: ( )
1. Dhole
  2. Dingo
  3. Dumbo
  4. Jackal
- 2.17 Chapter 3 of PCA Act, 1960 is related to: ( )
1. Cruelty to animals
  2. Experimentation on animals
  3. Performing animals
  4. Companion animals
- 2.18 IUCN stands for: ( )
1. Indian Union for Conservation of Nature
  2. International Union for Conservation of Nature and Natural Resources
  3. International Union for Conservation of Nomads
  4. International Union for Conservation of Natural resources

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- 2.19 Gestation period of Tiger is: ( )
1. 100-114 days
  2. 150-160 days
  3. 200-210 days
  4. 250-260 days

- 2.20 Chittal is also called as: ( )
1. Sambhar
  2. Spotted deer
  3. Barking deer
  4. Musk deer

**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 Herd Average

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3.2 Weaning

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3.3 Drying of cow

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3.4 Flushing

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3.5 Meconium

3.6 Green manuring

3.7 Down calver

3.8 Moat



3.9 Companion animals

3.10 Teaser

3.11 Bestiality

3.12 Biosphere reserve

**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 Clean milk production

4.2 Principles of organic farming

4.3 Properties of an Ideal fodder crop

4.4 Hay making

4.5 Breeding management of buck



4.6 Five freedoms for animal welfare

4.7 Goat breeds of Rajasthan



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4.8 Importance of zoo

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

- 5.1 Care and management of lactating dairy animal.
- 5.2 Discuss guidelines for welfare of livestock during transportation through various modes i.e. on foot, road and rail route.
- 5.3 Discuss various systems of housing for dairy animals with their detailed construction characteristics.