

**B.V.Sc. & A.H. (First Professional) Examination – 2023**  
**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 The livestock sector contributes about .....% to the national GDP.
- 1.2 The total buffalo population in India is ..... million in 20<sup>th</sup> livestock census.
- 1.3 .....is route the medicine is injected directly into blood stream.
- 1.4 Body condition score are reflection of .....reserves carry by animals.
- 1.5 The seed rate for Lucerne cultivation is.....kg per hectare.
- 1.6 IGFR stands for .....
- 1.7 The botanical name of Paragrass is.....
- 1.8 .....is breed of buffalo has typical sickle shaped horns.
- 1.9 The period between two successive calving is termed as.....
- 1.10 The long axis of barn should be in the direction of.....
- 1.11 The area under fodder cultivation is about.....of the cropping area in India.
- 1.12 .....is a vasectomized bull used to detect the estrus of cow.
- 1.13 Group of lions is called.....

- 1.14 Wild life Protection act was passed in year.....
- 1.15 The Ranthambore national park is located in..... district of Rajasthan.
- 1.16 The length of pregnancy in Bengal tigers is typically ..... days.
- 1.17 ABC programme stands for.....
- 1.18 Animal welfare of India was started by .....
- 1.19 Making an animal permanently useless by the use of violence known as .....
- 1.20 The dry moats "U" shaped are mostly used for .....species.

**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 Maximum walking hours per day for adult cattle transport on foot should be ( )
1. 6 hours
  2. 8 hours
  3. 12 hours
  4. 24 hours
- 2.2 The number of agro-climatic zones in India. ( )
1. 10
  2. 15
  3. 25
  4. 11
- 2.3 In which state of India is the biggest cattle fair organized ( )
1. Bihar
  2. Haryana
  3. Rajasthan
  4. Uttar Pradesh
- 2.4 Act of mating in sheep ( )
1. Serving
  2. Coupling
  3. Topping
  4. Covering
- 2.5 A way to conserve both soil and water by covering it with organic materials. like (crop plant, compost, manures) ( )
1. Contour bunding
  2. Bench terracing
  3. Mulching
  4. All the above
- 2.6 Which fodder is referred to as the king of fodder ( )
1. Lucerne
  2. Maize
  3. Cow pea
  4. Berseem

- 2.7 Which one of the following should not be fed urea ( )  
1. Calf below 6 months  
2. Heifer  
3. Bull  
4. Cow
- 2.8 The toxic substance present in Sorghum fodder is ( )  
1. HCN  
2. Saponin  
3. Mimosine  
4. Oxalic acid
- 2.9 The pulsation ratio in the milking machine should be kept within the limit of ( )  
1. 1:1  
2. 2.5:1  
3. Both a and b  
4. None of the above
- 2.10 Which of the following cattle breed is famous for "SwaiChal" ( )  
1. Gir  
2. Sahiwal  
3. Kankrej  
4. Nimari
- 2.11 The floor space requirement in covered area for a cow under loose housing system is ( )  
1. 3.5 m<sup>2</sup>  
2. 7.0 m<sup>2</sup>  
3. 11.0 m<sup>2</sup>  
4. 4.0 m<sup>2</sup>
- 2.12 CSWRI is located at ( )  
1. Assam  
2. Haryana  
3. Uttar Pradesh  
4. Rajasthan
- 2.13 Animals dwelling on trees are called ( )  
1. Marine  
2. Subterranean  
3. Arboreal  
4. Terrestrial
- 2.14 The species that are at extremely high risk of extinction on the earth are called ( )  
1. Extinct  
2. Critically endangered  
3. Vulnerable  
4. All the above
- 2.15 A minimum size (m) of night shelter should be provided for a Tiger ( )  
1. 2.75 X 1.8 X 3.0  
2. 8.0 X 6.0 X 5.5  
3. 1.5 X 1.0 X 1.5  
4. 2.0 X 1.0 X 1.5



- 2.16 Liger is a hybrid of ( )  
1. Leopard and Lioness  
2. Leopard and Tigeress  
3. Lion and Tiger  
4. None of the above
- 2.17 Prevention of Cruelty to Animals Act launched in ( )  
1. 1960  
2. 1962  
3. 1965  
4. 1984
- 2.18 Function of Zoo ( )  
1. Conservation and captive breeding  
2. Education  
3. Research  
4. All the above
- 2.19 Which of the following is a non- government organization to protect animals ( )  
1. Central Zoo Authority  
2. Animal Welfare Board of India  
3. People for Ethical Treatment of Animals  
4. National Institute of Animal Welfare
- 2.20 Fourth "R" mentioned in CPCSEA is ( )  
1. Replacement  
2. Reduction  
3. Rehabilitation  
4. Refinement

**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 Quarantine

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3.2 Burial method

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3.3 Green manure

Four sets of horizontal dashed lines for writing.

3.4 Backyard cultivation

Four sets of horizontal dashed lines for writing.

3.5 Herringbone parlour

Four sets of horizontal dashed lines for writing.

3.6 King of truss

Four sets of horizontal dashed lines for writing.

3.7 Feral animals

Four sets of horizontal dashed lines for writing.



3.8 National park

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3.9 Animal welfare

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3.10 Mischief

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3.11 Pinjarapoles

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3.12 Free martin

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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 Operation flood

Handwritten answer for question 4.1, starting with a blue line and an arrow pointing left.

4.2 Method of silage preparation

Handwritten answer for question 4.2, starting with a blue line.

Donot write across this line



Please write your Roll Number above this line

4.3 Clean milk production

4.4 Project Elephant





4.5 Role of veterinarian in animal welfare

Dashed lines for writing. A blue scribble is present across the lines.

4.6 Biogas plant

Dashed lines for writing. A blue scribble is present across the lines.

4.7 Organic Livestock Production

Dashed lines for writing.

Please write your Roll Number above this line

4.8 Five freedoms in animal welfare

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

- 5.1 Describe about the problems and prospects of livestock industry in India.
- 5.2 Define economic trait? Write down important economic traits of a dairy cow. significance of economic traits.
- 5.3 Enlist methods of restraining of captive animals and describe physical method of restraining of wild animals.