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**B.V.Sc. & A.H. (First Professional) Examination – 2017**

**Livestock Production Management PAPER-I**

**To be filled by the candidate:**

Candidate's Roll Number:

In figure .....

In words .....

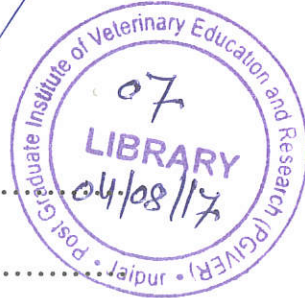
Candidate's Enrolment Number: .....

Day and date of examination: .....

Please see for general instructions overleaf.

**Signatures of invigilators verifying the details filled by the candidate**

Signature of invigilator 1: ..... 2: .....



Candidate should not write anything below this line

**Marks to be filled by the examiner:**

Section A	
Q. No.	Marks
1.	
2.	
3.	
4.	
5.	
<b>Total</b>	

Total Marks obtained:

In figures: ..... In words: .....

Signature of examiner: .....

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**INSTRUCTIONS TO THE CANDIDATES**

1. The invigilator and the members of the Flying Squad are empowered to take search of the examinees during the examinations.
2. Candidate should read the question paper and the instructions carefully before they begin to write answers.
3. The candidate will not be allowed to leave the examination hall before one hour form the end of the examination time.
4. Write on the cover page all the required entries correctly and get the signature of the invigilators.
5. Write legibly in the space provided for answer of each questions/sub-questions according to instruction given in the question paper booklet (question paper).
6. Do not write your name on any part of the question paper / answer booklet.
7. Do not leave examination hall without handing over question paper / answer booklet to the invigilator incharge.
8. No leaves should be torn out of the question paper / answer booklet.
9. Candidate attempting to use unfair means or talking to one another will be dealt with severely as per unfair means rules.
10. No written paper or book notes etc. should be brought to examination hall.
11. Total number of pages of question paper / answer booklet be checked before writing.
12. Candidate should not bring in any article other than pens and admit card. Use of Mobiles, calculators on any other electronic device in the examination hall is strictly prohibited.

**SPACE FOR ROUGH WORK**



## B.V.Sc. & A.H. (First Professional) Examination – 2017

### Livestock Production Management PAPER-I

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)

- i) An adult breeding male of horse is known as \_\_\_\_\_.
- ii) Growing female of goat is known as \_\_\_\_\_.
- iii) Act of mating in sheep is known as \_\_\_\_\_.
- iv) No goods vehicle shall carry more than \_\_\_\_\_ cattle.
- v) \_\_\_\_\_ is the score that indicates a cow's relative fatness or body energy reserves.
- vi) A cow \_\_\_\_\_ to be mounted by other cows is the best indication of heat in the dairy cow.
- vii) Period between date of calving and date of successful conception is known as \_\_\_\_\_.
- viii) \_\_\_\_\_ is the most common disease of the new born calves.
- ix) The practice of feeding high quality and balanced feed to heifer to prepare them for calving is called as \_\_\_\_\_.
- x) \_\_\_\_\_ is known as queen of fodder.
- xi) Botanical name of beseem is \_\_\_\_\_.
- xii) Kent is a variety of \_\_\_\_\_.



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- xiii) *Sorghum bicolor* contains toxic substance \_\_\_\_\_.
- xiv) \_\_\_\_\_ is defined as "a state of body and mind as sentient animals which attempts to cope with its environment."
- xv) \_\_\_\_\_ deal with our values of what is good or bad, right or wrong, how we ought to behave and live our lives.
- xvi) Full form of SPCA is \_\_\_\_\_.
- xvii) Animal Welfare Board of India was established in the year \_\_\_\_\_.
- xviii) India's first national park was established in 1936 as Hailey National Park, now known as \_\_\_\_\_.
- xix) Nanda Devi National Park is situated in the state of \_\_\_\_\_.
- xx) Full form of WWF is \_\_\_\_\_.

**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)**

1. In the year of 2012, buffalo population in India was around: ( )
1. 65.06 million
  2. 135.17 million
  3. 108.70 million
  4. 190.90million
2. In the year of 2012, Goat population in India was around: ( )
1. 108.70 million
  2. 135.17 million
  3. 65.06 million
  4. 190.90million
3. In the year of 2012, total volume of milk produced in India was: ( )
1. 46.1 million tonnes
  2. 132.4 million tonnes
  3. 5.9 million tonnes
  4. 697.3 million tonnes
4. Which of following is not a draught purpose cattle breed: ( )
1. Nagauri
  2. Malvi
  3. White Sindhi
  4. Red Kandhari

5. Period from the date cow stops milk production to the next calving is known as: ( )
1. Gestation period
  2. Dry period
  3. Lactation period
  4. Service period
6. The process of separation of the apparently healthy that have been exposed to the risk of infection from those animals that are healthy and have not been exposed to the risk of infection is known as: ( )
1. Disinfection
  2. Quarantine
  3. Isolation
  4. None
7. Site of recording pulse rate in pig is: ( )
1. Femoral artery
  2. Middle coccygeal artery:
  3. Both
  4. None
8. Normal body temperature ( $^{\circ}\text{C}$ ) range in Cattle is: ( )
1. 37.8-38.9
  2. 39.2-40.1
  3. 41.2-42.1
  4. None
9. Tongue rolling is a vice/abnormal behaviour which is most commonly observed in: ( )
1. Cattle
  2. Sheep
  3. Goat
  4. Pig
10. Conservation of green forage containing high moisture (65-70%) in a controlled anaerobic condition resulting into fermented feed is known as: ( )
1. Hay
  2. Silage
  3. Soilage
  4. None
11. Which of following is a maintenance type of roughage: ( )
1. Cereal fodder and grasses.
  2. Straws and stovers
  3. Legume fodder
  4. None





12. Bajra is also known as: ( )  
1. Pearl millet  
2. Great millet  
3. Corn  
4. Jai
13. CAZRI is located at: ( )  
1. Jhansi  
2. Jodhpur  
3. Bareilly  
4. Karnal
14. Which of following is a NGO related with animal welfare: ( )  
1. National institute of animal welfare  
2. Animal welfare board of India  
3. Centre for action research & technology for man, animal & nature  
4. None
15. Feeds which contains less than 18 % crude fibre and are high in total digestible nutrients (>60 %) are known as: ( )  
1. Concentrate  
2. Roughage  
3. Both  
4. None
16. Which of following is/are rules, regulations, laws on animal welfare: ( )  
1. Prevention of cruelty to animals act (1960)  
2. Cattle trespass (Amendment) act 1921  
3. Wildlife protection act, 1972  
4. All
17. Prevention of Cruelty to Animals (PCA) Act, 1960 is related with: ( )  
1. Cruelty to Animal Generally  
2. Experimentation of Animals  
3. Performing Animals  
4. All
18. Carcass can be disposed by which of following methods: ( )  
1. Lactic acid fermentation  
2. Alkaline hydrolysis  
3. Both A & B  
4. None
19. Numbers of Wildlife Sanctuaries in India is about: ( )  
1. 103  
2. 537  
3. 67  
4. 26

20. A zoo can be categorized as medium size zoo when number of species exhibited is: ( )
1. 20-49
  2. 50-75
  3. 10-15
  4. None

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)

i) Livestock:

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ii) Disinfection:

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iii) Vice:

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iv) Culling:

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v) Draught animal power:

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vi) Jallikattu:

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vii) Phooka:

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viii) Rabi fodder:

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ix) Kharif fodder:

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x) Heifer:

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xi) Zoo:

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xii) Sanctuary:

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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)**

i) Colostrum:

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ii) Body condition scoring of livestock:

iii) Organic livestock production:

Please write Roll No. above this line \_\_\_\_\_

iv) Scarcity fodders:



y) Leguminous and non-leguminous fodder:



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vi) IAEC:

vii) Wildlife Protection Act 1972:

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viii) Classification of zoos in general:



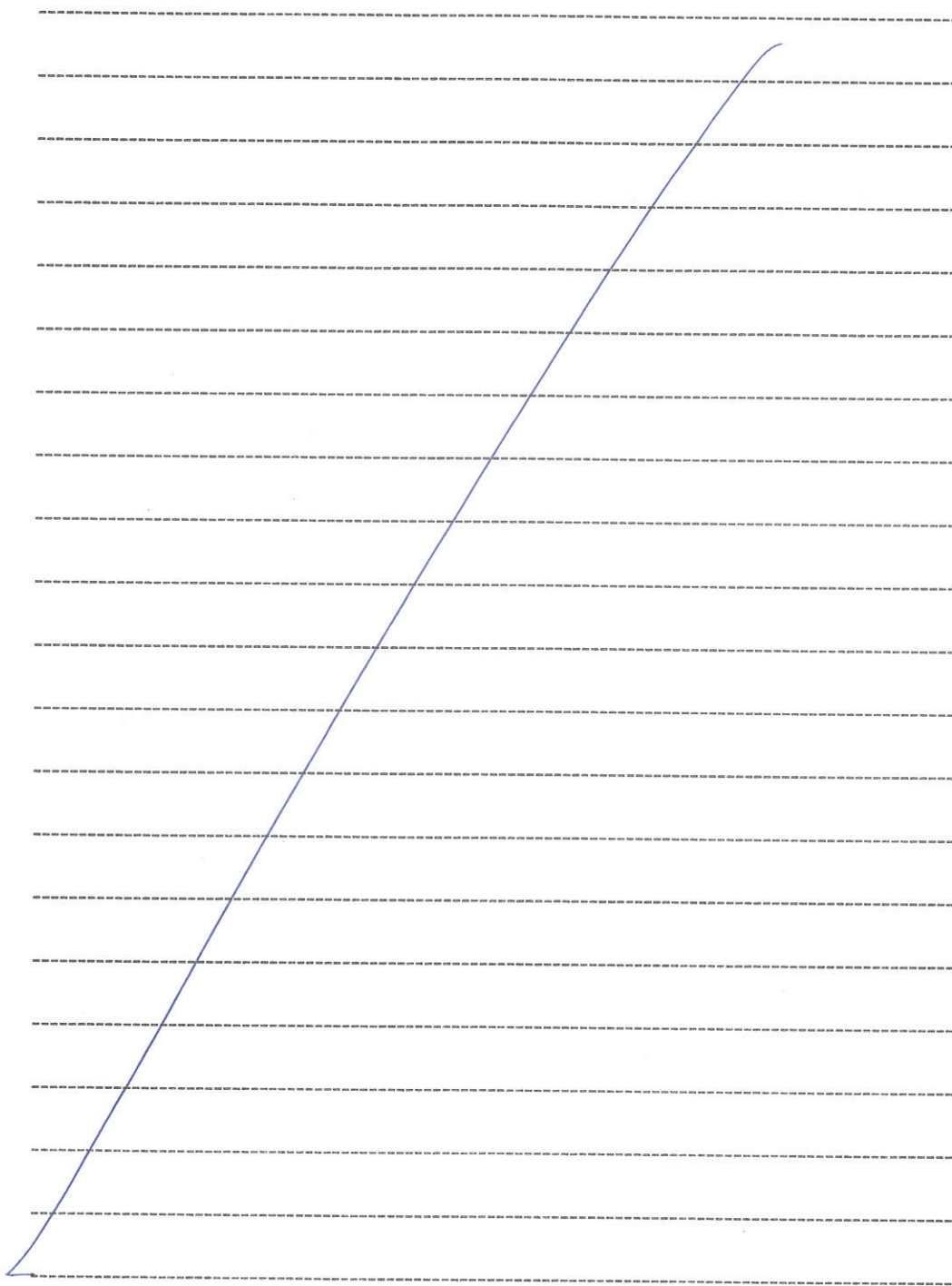
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**Q.5 Answer the following question in 1-2 pages (attempt any two). (2x12.0 = 24)**

- i) What do you mean by milking? What are different methods of milking? Describe methods of milking in detail. (2+2+8)
- ii) What do you mean by performing animals? Describe different types of performing animals? What are protection and welfare of performing animals under law? (2+4+6)
- iii) What is silage? What are characteristics of good quality silage? Describe method of silage making. (2+3+7)

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Q. No. ....





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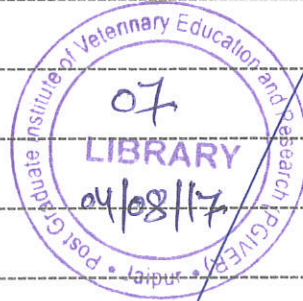


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