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Total Number of pages 23

**B.V.Sc. & A.H. (Part -I) Examination – 2016
of the Five-Year Degree Course**

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		Section B		Section C	
Q. No.	Marks	Q. No.	Marks	Q. No.	Marks
1.		6.		11.	
2.		7.		12.	
3.		8.		13.	
4.		9.		14.	
5.		10.		15.	
Total		Total		Total	

Total Marks obtained:

In figures: In words:

Signature of examiner:

Do not write across this line

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 from 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

Please write Roll No. above this line

**B.V.Sc. & A.H. (Part – I) Examination – 2016
of the Five-Year Degree Course**

LIVESTOCK PRODUCTION MANAGEMENT PAPER-I

Time: Three Hours

Maximum Marks: 90

Section A: Livestock Production Management-I: LPM-111 Marks 30

(General Principles and Ruminants):

Section B: Fodder Production and Grassland Management: LPM-121 Marks 30

Section C: Livestock Production Management-II: LPM-122 Marks 30

(Monogastric and Laboratory Animals)

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.

SECTION – A

Livestock Production Management-I: LPM- 111
(General Principles and Ruminants)

Maximum Marks 30

Q.1 Fill in the blanks.

(6x0.75 = 4.5)

- i) As per 19th Livestock census the buffalo population in India is _____.
- ii) NDRI is located at _____.
- iii) Young ones of sheep are called _____.
- iv) A vasectomized bull also known as _____.
- v) Central Institute for Research on Goats is situated at _____.
- vi) Animals in which all the teeth have fallen are termed 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: (6x0.75 = 4.5)**

- i) Adult male Goat used for breeding purpose is: ()
 1. Bull
 2. Buck
 3. Stallion
 4. Ram.

Please write Roll No. above this line

- ii) Which one of the following is not the exotic breed of goat: ()
1. Angora
 2. Surti.
 3. Saneen
 4. Nubian
- iii) The silent heat in buffalo is very common during: ()
1. Winter
 2. Summer
 3. Rainy
 4. Spring
- iv) According to the BIS standard the covered area requirement for adult cow is: ()
1. 1.5 m²
 2. 2.5 m²
 3. 3.5 m²
 4. None
- v) The most abundant mineral element in wool is: ()
1. Iodine
 2. Cobalt
 3. Iron
 4. Sulphur
- vi) Wallowing is preferred by: ()
1. Buffalo
 2. Cow
 3. Sheep
 4. Goat

Q.3 Attempt any six out of the following eight questions. Answer of each question should be in 2 to 3 lines. (6x1.5= 9)

- i) List out the Sheep breeds found in Rajasthan state.

- ii) Write the Full Name:

NDRI: _____

IVRI: _____

CSWRI: _____

Please write Roll No. above this line _____

iii) Define Isolation.

iv) Define Service Period.

v) Define Herd average.

vi) Define Teaser bull.

vii) Define Loose Housing System.

Please write Roll No. above this line _____

viii) Difference between Wool and Hair:

Q.4 Attempt any two out of the following three questions. Answer of each question should be in 5 to 8 lines. (2x3 = 6)

i) Importance of sheep farming in India.

ii) Methods of disposal of carcass.

Please write Roll No. above this line

iii) Care and management of new born calve.

Q.5 Answer the following question in 1-2 pages (attempt any one). (1x6 = 6)

- i) Write in brief about the physical and chemical properties of wool.
- ii) Enlist the different methods of milking? Describe each method in brief.

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Q. No.



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SECTION – B

Fodder Production and Grassland Management: LPM-121 Maximum Marks 30

Q.6 Fill in the blanks.

(6x0.75 = 4.5)

- i) Botanical name of Lucerne is _____.
- ii) Kent is a variety of _____.
- iii) Ganga-5 is a variety of _____.
- iv) IGFRI is located at _____.
- v) Crop wilted or dried to about 50% moisture before ensiling is called _____.
- vi) The toxic principle present in cotton seed cake _____.

Q.7 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: (6x0.75 = 4.5)

- i) Rice bran is a: ()
 1. Grain
 2. Pulse
 3. Grain by product
 4. Fodder
- ii) Summer fodder crop suitable in arid and semi-arid region: ()
 1. Pearl millet
 2. Wheat
 3. Rice
 4. Maize
- iii) Lucerne is following type of fodder : ()
 1. Perennial
 2. Biannual
 3. Annual
 4. None of above
- iv) Seed rate of cowpea is: ()
 1. 10-15 kg/Ha.
 2. 25-30 kg/Ha.
 3. 55-65 kg/Ha.
 4. None of above
- v) Seed treatment is done by: ()
 1. Herbicide
 2. Fungicide
 3. Pesticide
 4. Weedicide

Please write Roll No. above this line _____

- vi) Which crop is suitable for silage making: ()
1. Sorghum
 2. Cowpea
 3. Lucerne
 4. Guar

Q.8 Attempt any six out of the following eight questions. Answer of each question should be in 2 to 3 lines. (6x1.5= 9)

i) Define Straw:

ii) Define Haylase:

iii) Define Silvipasture:

iv) Define Molasses:

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v) Difference between; Manure and Fertilizer.

vi) Difference between Concentrate and Roughages.

vii) Three name of leguminous fodder crop.

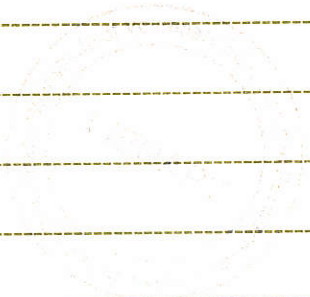
viii) Define Organic mulch:

Q.9 Attempt any two out of the following three questions. Answer of each question should be in 5 to 8 lines. (2x3 = 6)

i) Unconventional feed:

Please write Roll No. above this line _____

ii) Urea treatment of straw:



iii) Classification of fodders:

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Please write Roll No. above this line

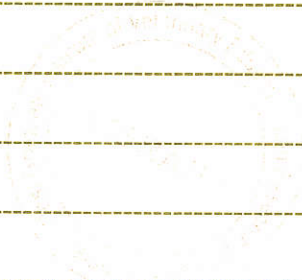
Q.10 Answer the following question in 1-2 pages (attempt any one). (1x6 = 6)

- i) Prepare a cropping scheme to supply year round green fodder on a dairy farm from one hectare of land.
- ii) Describe agronomical practices for fodder production of Lucerne or Maize narrating varieties, seed rate, sowing time, yield etc

Please write Roll No. above this line

Q. No.

Handwriting practice area consisting of 20 horizontal dashed lines.



Please write Roll No. above this line

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SECTION - C

**Livestock Production Management-II: LPM-122
(Monogastric and Laboratory Animals)**

Maximum Marks 30

Q.11 Fill in the blanks.

(6x0.75 = 4.5)

- i) Crushing of piglet prevented by using of _____ in farrowing pen.
- ii) An act of giving birth to young ones in rabbit: _____.
- iii) Rabbits breed famous for wool production _____.
- iv) Gestation period in swine is _____.
- v) In horse Galvanay's groove appear at the age of _____.
- vi) The male pig castrated after puberty is called _____.

Q.12 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:

(6x0.75 = 4.5)

- i) The breed of horse originated in Rajasthan: ()
 1. Kathiawari
 2. Spiti
 3. Zanskari
 4. Marwari
- ii) The gestation period of mare is: ()
 1. 9 months 9 days
 2. 10 months 10 days
 3. 11 months 11 days
 4. None of above
- iii) Pig belongs to family: ()
 1. Ovidae
 2. Bovidae
 3. Equidae
 4. Suidae
- iv) The doe rabbit has ----- pair of teats: ()
 1. 4
 2. 15
 3. 8
 4. None
- v) The pigs with 35-60 kg weight are termed as: ()
 1. Finishing
 2. Starter
 3. Stag
 4. Fattening

vi) Long hair present on neck of horse is called : ()

1. Bristles
2. Mane
3. Hackles
4. Wiry hair.

Q.13 Attempt any six out of the following eight questions. Answer of each question should be in 2 to 3 lines. (6x1.5= 9)

i) Define Grooming:

ii) Difference between Gilt and Sow.

iii) Difference between Stripping and Knuckling.

iv) Define Drove:

Please write Roll No. above this line

v) Define Colt foal.

vi) Define SPF animals:

vii) Define Crib biting:

viii) Define Foal heat:



Q.14 Attempt any two out of the following three questions. Answer of each question should be in 5 to 8 lines. (2x3 = 6)

i) Housing of laboratory animal.

Please write Roll No. above this line _____

ii) Care and management of piglet anaemia.

iii) Breeds of horses found in India.

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Q.15 Answer the following question in 1-2 pages (attempt any one). (1x6 = 6)

- i) Describe in detail care and management of mare before and after foaling.
- ii) Describe the importance and scope of rabbit farming in our country .Discuss shearing and slaughtering of rabbits.

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_____ Please write Roll No. above this line _____

Q. No.

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