

06

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Total Number of Pages 16

**B.V.Sc. & A.H. (First Professional) Examination – 2018**

**Veterinary Anatomy PAPER-II**

**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:**

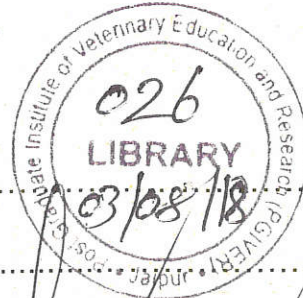
Section A	
Q. No.	Marks
1.	
2.	
3.	
4.	
5.	
<b>Total</b>	

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 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

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## B.V.Sc. & A.H. (First Professional) Examination – 2018

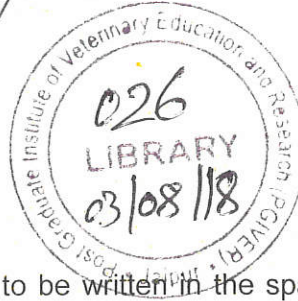
### Veterinary Anatomy PAPER-II

Time: Three Hours

Maximum Marks: 100

Weightage: 20

Unit 5: Abdomen  
Unit 6: Hind limb and pelvis  
Unit 7: Histology  
Unit 8: Embryology



#### Instructions:

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

#### Q.1 Fill in the blanks.

(20x0.5 = 10)

- 1.1 The \_\_\_\_\_ cavity is the largest of three body cavities.
- 1.2 The trochanter tertius is the characteristic feature in the femur of \_\_\_\_\_.
- 1.3 \_\_\_\_\_ cells are the resident phagocytic cell of the liver.
- 1.4 \_\_\_\_\_ is the glandular stomach of fowl.
- 1.5 The bulbus glandis is the component of glans/penis of \_\_\_\_\_.
- 1.6 The procedure for collection of fluid from the rumen is termed as \_\_\_\_\_.
- 1.7 The aggregates of the lymphatic nodules occurring in small intestine are called \_\_\_\_\_.
- 1.8 The sinusoids are larger than other capillaries, present in the \_\_\_\_\_ (organ).
- 1.9 \_\_\_\_\_ is the largest sesamoid bone of the body.
- 1.10 The somites develop from the \_\_\_\_\_ mesoderm.
- 1.11 The outer most covering of brain and spinal cord is \_\_\_\_\_.
- 1.12 Largest foramen of the body is \_\_\_\_\_.
- 1.13 Supporting cells found in outer layer of seminiferous tubules are \_\_\_\_\_.
- 1.14 Development history of an individual organism is called as \_\_\_\_\_.
- 1.15 The right kidney is heart shaped in \_\_\_\_\_.
- 1.16 The Hassall's corpuscles are present in the \_\_\_\_\_ (organ).
- 1.17 \_\_\_\_\_ is also called as Cowper's glands.
- 1.18 Urinary bladder is absent in \_\_\_\_\_.
- 1.19 The trachea is lined by \_\_\_\_\_.
- 1.20 The bursa of Fabricius is present in \_\_\_\_\_ part of cloaca of fowl.

**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 The cartwheel nucleus is present in: ( )  
1. Plasma cell  
2. Fibroblast  
3. Mast cell  
4. Histocytes
- 2.2 In the central nervous system, the myelin sheaths are formed by: ( )  
1. Microglia  
2. Oligodendrocyte  
3. Astrocytes  
4. Ependymal cells
- 2.3 The urinary bladder mucosa is lined by: ( )  
1. Columnar epithelium  
2. Simple Squamous epithelium  
3. Cuboidal epithelium  
4. Transitional epithelium
- 2.4 A cavity within the primitive gut in the gastrula is called as: ( )  
1. Gastrocoel  
2. Archenteron  
3. Blastopore  
4. All of the above
- 2.5 The pulmonary surfactant is synthesized by the: ( )  
1. Type-I alveolar epithelial cells  
2. Macrophages  
3. Type-II alveolar epithelial cells  
4. None of the above
- 2.6 The accessory sex glands are absent in male genital system of: ( )  
1. Dog  
2. Fowl  
3. Pig  
4. Horse
- 2.7 The powerhouse of the cell is: ( )  
1. Mitochondria  
2. Golgi Complex  
3. Nucleus  
4. Peroxisomes
- 2.8 In which species spleen is human foot print shape: ( )  
1. Camel  
2. Dog  
3. Horse  
4. Pig
- 2.9 Part of the broad ligament which connects the oviduct is called as: ( )  
1. Mesosalpinx  
2. Mesovarium  
3. Mesometrium  
4. None of the above

- 2.10 Choose the right sequence: ( )
1. Cell – tissue – organ – body
  2. Cell – organ – tissue – body
  3. Cell – organ – body – tissue
  4. Cell – tissue – body – organ
- 2.11 The testicular vein breaks up and forms a rich network, the: ( )
1. Mesoductus
  2. Pampiniform plexus
  3. Mesorchium
  4. None of the above
- 2.12 The eggs containing small amount of yolk is called as: ( )
1. Alecithal
  2. Microlecithal
  3. Mesolecithal
  4. Megalecithal
- 2.13 Which have haploid set of chromosomes during spermatogenesis: ( )
1. Type A spermatogonia
  2. Type B spermatogonia
  3. Primary spermatocyte
  4. Secondary spermatocyte
- 2.14 The corona glandis is present in case of: ( )
1. Pig
  2. Horse
  3. Dog
  4. Fowl
- 2.15 The suicidal bag of the cell is: ( )
1. Ribosome
  2. Lysosome
  3. Mitochondria
  4. Endoplasmic reticulum
- 2.16 The ovulation fossa is present in the ovary of: ( )
1. Mare
  2. Bitch
  3. Hen
  4. Sow
- 2.17 Which is not a branch of abdominal aorta: ( )
1. Bronchial artery
  2. Hepatic artery
  3. Splenic artery
  4. Cystic artery
- 2.18 The intercalated disks are characteristics of: ( )
1. Smooth muscle
  2. Skeletal muscle
  3. Cardiac muscle
  4. All of the above
- 2.19 The polkissen cells are present in the: ( )
1. Liver
  2. Kidney
  3. Testis



- 2.20 The caruncles are present in which part of uterus: ( )
1. Endometrium
  2. Myometrium
  3. Perimetrium
  4. All of the above

**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 Cleavage

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3.2 Gametogenesis

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3.3 Polyspermy

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3.4 Rumencentesis

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3.5 Peritoneum



3.6 Hamstring tendon

3.7 Endothelium

3.8 Synsacrum

3.9 Podocytes

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3.10 Connective tissue

3.11 Menisci

3.12 Parthenogenesis

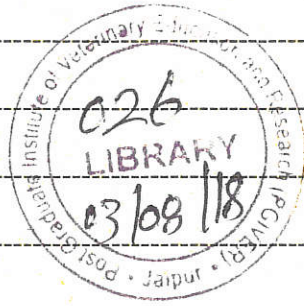
**Q.4 Attempt any six out of the following eight questions. Answer of each question should be in 8 to 10 lines. (6 x 6.0 = 36)**

4.1 Histology of pancreas

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4.2 Histological structures of typical tubular organ

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4.3 Structures of spermatic cord

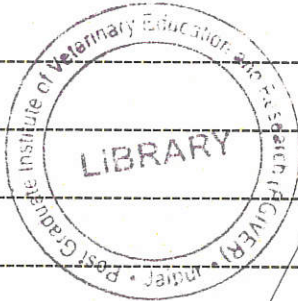
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4.4 Stomach of Ox

4.5 Paralumbar fossa and its clinical importance

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4.6 Foetal membranes of mammals and their functions

4.7 Events of fertilization

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4.8 Male genital organs of Bull

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

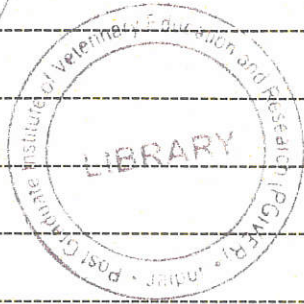
- i) Serially list out the branches of the abdominal aorta with their nature (paired/unpaired). Name atleast one structure supplied by each branch of abdominal aorta. (5+7)
- ii) Define Placenta? Write in detail about the classification of placenta with suitable diagram. (2+10)
- iii) Serially enumerate the bones of hindlimb. Describe in detail about various joints of the hindlimb. (4+8)



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Q. No. ....

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Handwriting practice lines consisting of 20 horizontal dashed lines.

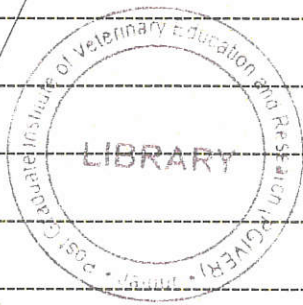


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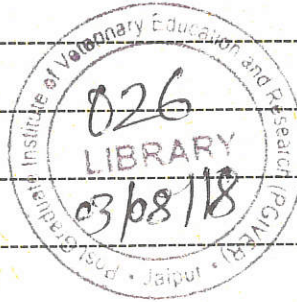
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Q. No. ....

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