

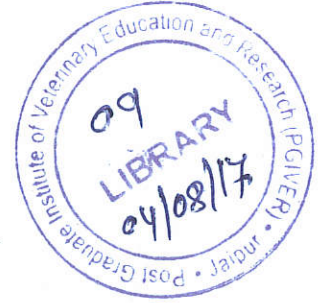
05

Library Copy

Total Number of pages 20

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

Veterinary Anatomy PAPER-I



Do not write across this line

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.	
Total	

Total Marks obtained:

In figures: In words:

Signature of examiner:

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

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

Veterinary Anatomy PAPER-I

Time: Three Hours

Maximum Marks: 100

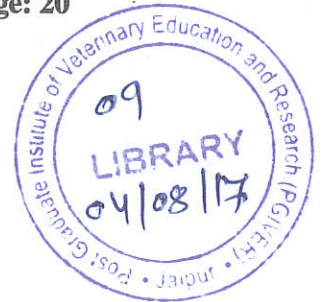
Weightage: 20

Unit 1: General Osteology, Arthrology and Myology

Unit 2: Fore limb

Unit 3: Head and Neck

Unit 4: Thorax



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.

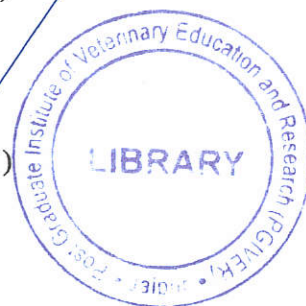
(20x0.5 = 10)

- i) The two fibrous bands which extend from fibrous layer of pericardium to the dorsal surface of sternum are known as _____.
- ii) A pulley like grooved articular surfaces is known as _____.
- iii) A large round projection present in a bone is called as _____.
- iv) The coracoid process is absent in _____.
- v) The coronary groove separates auricle from _____.
- vi) _____ pulmonary artery is larger in ox.
- vii) Epiglottis is absent in _____ (species).
- viii) Right lung of ox has _____ (number) of lobes.
- ix) _____ is the large mucous sacs, which appears as diverticulum of the auditory tube in horses.
- x) The greater tubercle of humerus is undivided in _____ (species).
- xi) Foramen triosseum is present in _____ (species).
- xii) Floor of the 4th ventricle is formed by the pons and _____.
- xiii) Vagus nerve exit from the cranial cavity through _____.
- xiv) Trochlear Nerve originates from _____ aspect of the brain.

- xv) Nutritional blood supply of the lung is _____.
- xvi) Tuber spine present in the scapula of _____.
- xvii) The extension of the pleura (blind pouch like structure) a head of 1st pair of ribs is known as _____.
- xviii) Musculo-tendinous structure which divides the thoracic cavity from the abdominal cavity is known as _____.
- xix) _____ is the narrow passage between mouth cavity and pharynx.
- xx) _____ is a large muscular band which extends from the lateral wall of the interventricular septum across the cavity of the ventricles.

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. Radial nerve supplies to: ()
 1. Extensor muscles of fore limb
 2. Flexor muscle of forelimb
 3. only superficial digital flexor
 4. None of the above.
2. The number of spinal nerve in dog are: ()
 1. 35 pair
 2. 39 pair
 3. 37 pair
 4. 42 pair
3. Corniculate processes is present in: ()
 1. Thyroid cartilage
 2. Arytenoid cartilage
 3. Epiglottis
 4. Cricoids
4. The part of atria where different blood vessels open is: ()
 1. Sinus venarum
 2. Auricle
 3. 1 and 2 both
 4. None of above
5. In equines, dilatation of auditory tubes is form: ()
 1. Guttural Pouch
 2. Pharynx
 3. Auditory tube
 4. Trachea



6. Unpaired facial bone of skull is: ()
1. Vomer bone
 2. Mandible bone
 3. Both of the above
 4. None of the above
7. Which of the following is the ball and socket type of joint: ()
1. Elbow joint
 2. Shoulder joint
 3. Pastern joint
 4. Stifle joint
8. Infraorbital foramen is present in: ()
1. Maxillary bone
 2. Frontal bone
 3. Palatine bone
 4. Premaxilla bone
9. Which of the following is the diarthrodial joint in the skull: ()
1. Temporo-mandibular articulation
 2. Nasal Suture
 3. Mandibular Symphysis
 4. Interfrontal suture
10. Supra orbital foramen is present in: ()
1. Maxillary bone.
 2. Frontal bone
 3. Palatine bone
 4. Premaxilla bone
11. The caudal extremity of the spinal cord in horse tapers to a point caudal to the lumbar segment is referred as: ()
1. Filum terminale
 2. Conus medullaris
 3. Cauda equina
 4. None of above
12. In ruminants maximum dorso-ventral diameter of abdominal cavity is at the level of: ()
1. 1st lumbar vertebrae
 2. 2nd lumbar vertebrae
 3. 3rd lumbar vertebrae
 4. 4th lumbar vertebrae
13. Openings of the oesophagus in the diaphragm is called: ()
1. Foramen venacava
 2. Hiatus aorticus
 3. Hiatus oesophageus
 4. None of the above

14. The cross section of right ventricle is: ()
1. Circular
 2. Criscentric
 3. Oval
 4. None of the above
15. At the level of the thoracic inlet ventral boundaries is formed by: ()
1. Manubrium sternii
 2. Xiphoid cartilage
 3. Both of above
 4. None of above
16. Left Kidney of ox is situated: ()
1. Below the proximal end of last three ribs
 2. Variable in position
 3. Below the 1st lumbar vertebrae
 4. Below the 3rd lumbar vertebrae
17. Apical bronchus arises at the level of: ()
1. 1st Intercostal space
 2. 2nd Intercostal space
 3. 3rd Intercostal space
 4. 4th Intercostal space
18. Syrinx is found in: ()
1. Ox
 2. Horse
 3. Pig
 4. Fowl
19. Philtrum are present in: ()
1. Ox
 2. Horse
 3. Dog
 4. Fowl
20. Torus linguae is found in: ()
1. Tongue
 2. Pharynx
 3. Oesophagus
 4. Junction of esophagus and stomach

_____ Please write Roll No. above this line _____

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) Syndesmosis:

ii) Pygostyle:

iii) Long bone:

iv) Ligament:

v) Glenoid cavity:

Donot write across this line

Please write Roll No. above this line

vi) Synsarcosis:

vii) Enlist the ventricles of brain:

viii) How is the heart kept in position?

ix) Insula ruminalis:

x) Paralumbar fossa:

Please write Roll No. above this line _____

xi) Epiploic foramen:



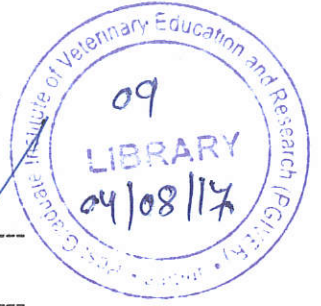
xii) Omentum:

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) Course of esophagus:

Donot write across this line

Please write Roll No. above this line _____



) Right ventricles:

Meninges of brain and spinal cord:

Please write Roll No. above this line _____

vi) Pons:

vii) Proximal extremity of humerus of Ox:

Donot write across this line

Please write Roll No. above this line

viii) Mandible of Ox:



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

- i) Enumerate the Cranial nerves in serial order with their nature.
- ii) Define the Tongue of Ox and differentiate it with that of horse and Dog. (4+8)
- iii) Define the sternum of Ox and differentiate it with that of horse and Dog. (4+8)

20
86
24
0

Please write Roll No. above this line



Donot write across this line

Please write Roll No. above this line _____



Donot write across this line

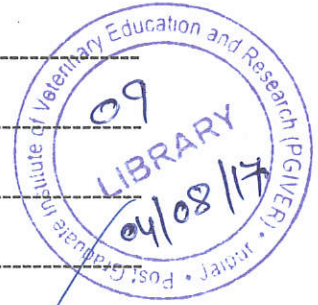
Please write Roll No. above this line

A series of horizontal dashed lines for writing, with a blue diagonal line drawn across them from the bottom-left to the top-right.



Donot write across this line

Please write Roll No. above this line



Do not write across this line

Please write Roll No. above this line

A series of horizontal dashed lines for writing, with a solid blue diagonal line crossing them from the bottom-left to the top-right.

Donot write across this line