

05

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Total Number of Pages 16

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

Veterinary Anatomy 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:

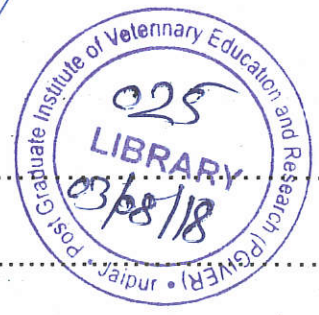
Section A	
Q. No.	Marks
1.	
2.	
3.	
4.	
5.	
Total	

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 – 2018
Veterinary Anatomy PAPER-I

Time: Three Hours

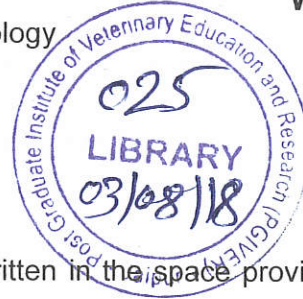
Maximum Marks: 100
Weightage: 20

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)

- 1.1 _____ is the smallest unit of venous system.
- 1.2 The _____ vein is the preferred site for intravenous injection in the forelimb of dog.
- 1.3 The pericardium of heart is _____ in nature.
- 1.4 Muscle insertion in form of thin sheet called as _____.
- 1.5 The carotid trifurcation takes place at the level of _____.
- 1.6 _____ is single largest unpaired muscle of the body.
- 1.7 _____ is a pulley like articular area.
- 1.8 _____ are air cavities within the bone lined by mucous membrane.
- 1.9 Os penis is seen in _____ (sp).
- 1.10 _____ is a shallow cup like articular depression.
- 1.11 The combined clavicle forms the _____ which is also called as the Wish bone.
- 1.12 The single inter-osseous is present in radius and ulna of _____ (Sp).
- 1.13 Total number of carpals in one limb of cattle is _____.
- 1.14 Pneumatic bones are present in _____ (Sp.).
- 1.15 The presence of torous linguae is a characteristic feature of the tongue of _____ (species).
- 1.16 The articular grooves at the distal extremity of radius are _____ placed in ox.
- 1.17 The foramen oval is absent in the skull of _____ (sp).
- 1.18 The number of sternbrae in ox is _____.

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1.19 Third phalanx of dog is modified to form _____.

1.20 _____ Foramen is the characteristic feature of the humerus of dog.

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 site for Cerebro spinal fluid collection is: ()
1. Sub arachnoid cisterns
2. Epidural space
3. Lateral ventricles
4. None of these
- 2.2 Internal maxillary artery is continuation of: ()
1. External maxillary artery
2. Common carotid artery
3. External carotid artery
4. None of these
- 2.3 Cardiac rhythmicity is due to the conduction system which consists of ()
1. SA- node.
2. AV-node
3. Purkinje fibres
4. All
- 2.4 Small metacarpal on ox is: ()
1. 2nd
2. 3rd
3. 4th
4. 5th
- 2.5 Lateral malleolus is separate piece of bone in: ()
1. Ox
2. Pig
3. Horse
4. Fowl
- 2.6 Notarium is present in vertebral column of: ()
1. Ox
2. Fowl
3. Horse
4. Dog
- 2.7 Uncinate process is present in: ()
1. Thoracic vertebrae of dog
2. Sternum of fowl
3. Ribs of fowl
4. Atlas of dog
- 2.8 The muscles present in musculospiral groove of humerus is:()
1. Biceps brachii
2. Coraco-brachialis
3. Brachialis
4. Supraspinatus
- 2.9 Sphincter muscle present around the rima oris is: ()
1. Retractor oculi
2. Orbicularis oris
3. Orbicularis oculi
4. Retractor anii

- 2.10 Foramen triosium in fowl is formed by: ()
1. Scapula
 2. Coracoid
 3. Clavicles
 4. All of above
- 2.11 The number of carpals in dog: ()
1. 5
 2. 6
 3. 7
 4. 8
- 2.12 Cerebral peduncle is part of: ()
1. Fore brain
 2. Mid brain
 3. Hind brain
 4. Corpora quadrigemina
- 2.13 Functional supply of lung is supplied by: ()
1. Bronchial artery
 2. Bronchial vein
 3. Pulmonary artery
 4. Pulmonary vein
- 2.14 Widest commissure and modified dorsal buccal glands are characteristic features of ()
1. Ox
 2. Dog
 3. Pig
 4. Horse
- 2.15 The parotid salivary gland duct of ox opens at the level of ()
1. 3rd lower molar tooth
 2. 3rd upper molar tooth
 3. 5th upper molar tooth
 4. 5th lower molar tooth
- 2.16 Spatula shaped tongue is present in: ()
1. Horse
 2. Ox
 3. Pig
 4. Dog
- 2.17 Carotid trifurcation takes place under the muscle: ()
1. Massater
 2. Buccinator
 3. Diagastricus
 4. Pterygoidius
- 2.18 Horny papillae are present in cheeks of: ()
1. Dog
 2. Ox
 3. Fowl
 4. Horse
- 2.19 Pillars of the heart also known as: ()
1. Muculae papillaris
 2. Musculae pectanati
 3. Moderator band
 4. None



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2.20 The number of pharyngeal openings:

()

- 1. 5
- 2. 7
- 3. 9
- 4. 11

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 Splanchnic bone

3.2 Hiatus

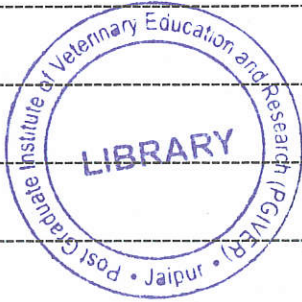
3.3 Mediastinum

3.4 Anastomosis

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3.5 Parasympathetic nervous system

3.6 Frenum linguae



3.7 Rima oris

3.8 Dental pad

3.9 Arbour vitae

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Please write Roll No. above this line _____

3.10 Vasa vasorum

3.11 Aponeurosis

3.12 Gait

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)

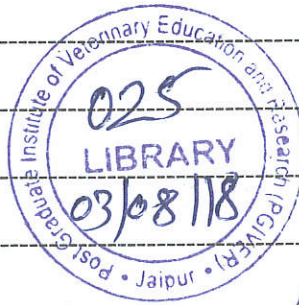
4.1 Circle of Willis

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4.2 Openings of right auricle of heart



4.3 Labelled diagram of tongue of ox

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4.4 Ventricles of brain

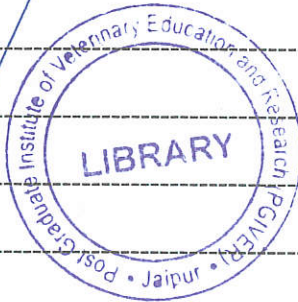
4.5 Sternum of fowl

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4.6 Diaphragm



4.7 Extensors muscle of digits and carpals of forelimb of ox.

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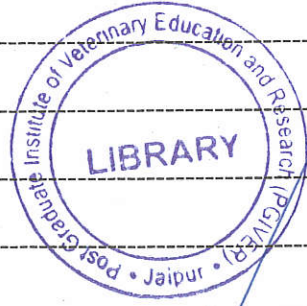
4.8 Meninges of brain and their modifications.

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

- 5.1 (a). What is synsarcosis and enumerate muscles of synsarcosis. (6)
(b). Draw the labelled diagram of scapula of ox and differentiate it with scapula of dog. (6)
- 5.2 (a). Enumerate the cranial nerves along with their nature. (6)
(b). Define brachial plexus and its formation. Enumerate the different nerve of brachial plexus. (6)
- 5.3 Explain the arterial supply of fore limb along with labelled diagram. (8+4)

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Q. No.



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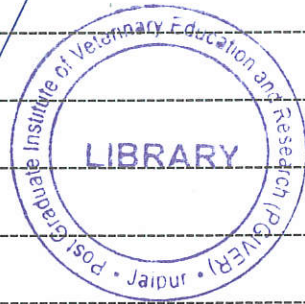
Handwriting practice area with horizontal dashed lines and a large blue scribble.

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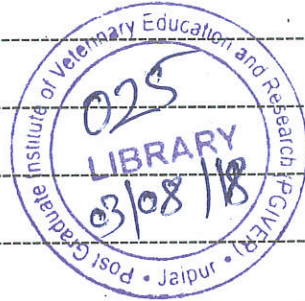
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Q. No.

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