

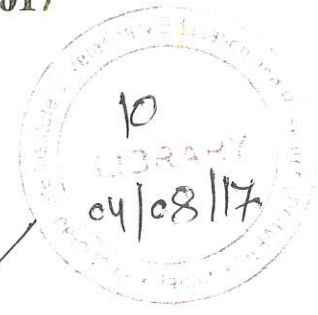
06

For Library use.

Total Number of pages 20

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

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. | |
| Total | |

Total Marks obtained:

In figures: In words:

Signature of examiner:

Donot 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.

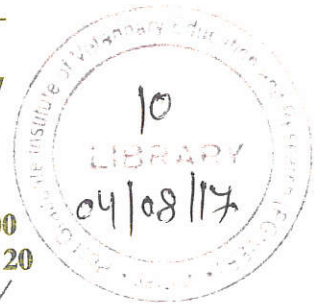
SPACE FOR ROUGH WORK

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

Veterinary Anatomy PAPER-II

Time: Three Hours

Maximum Marks: 100
Weightage: 20



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

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 remnant of umbilical vein is called as _____.
- ii) Largest ovaries among the domestic animals found in _____ (species).
- iii) _____ artery supply the blood to testis.
- iv) The tendon of psoas minor muscle inserts on _____ of hip bone.
- v) The gall bladder is absent in _____ (species).
- vi) The phagocytic cell of central nervous system (CNS) is _____.
- vii) Rathke's pouch is a diverticulum from the embryonic buccal cavity from which the anterior lobe of _____ develops.
- viii) Greater and lesser sciatic foramen are covered by _____ ligament.
- ix) In case of dog _____ artery is palpated to take the pulse.
- x) Pelvic symphysis is absent in the hip bone of _____ (species).
- xi) The surgical opening of abdomen is called as _____.
- xii) _____ nerve innervates the tensor fascia lata muscle.
- xiii) Trachea is lined by _____ epithelium.
- xiv) The study of the abnormal embryonic development is called as _____.
- xv) The interior of reticulum gives characteristic appearance of _____.
- xvi) The intercalated disc is present in the _____ muscle.

- xvii) Oesophagus of ox consists of _____ muscles in tunica muscularis.
xviii) The uterine wall consists of three layers, the _____, myometrium and perimetrium.
xix) In cattle first pair of the somite develops at _____ days of gestation.
xx) _____ is example of dense regular connective tissue.

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. Which of the following epithelium lines the glandular stomach? ()
 1. Simple squamous
 2. Simple cuboidal
 3. Simple columnar
 4. Pseudostratified
2. Purkinje cells are found in: ()
 1. Cerebrum
 2. Ventricles of brain
 3. Cerebellum
 4. Corpus callosum
3. Which of the following are found in the thymus: ()
 1. Herring body
 2. Russell bodies
 3. Macula densa
 4. Hassall's corpuscle
4. Which type of cartilage is characterized by a glassy matrix? ()
 1. Fibrocartilage
 2. Hyaline cartilage
 3. Elastic cartilage
 4. All of the above
5. Tuber ischii is trifold in: ()
 1. Dog
 2. Horse
 3. Ox
 4. Fowl
6. Functional blood supply to the liver is: ()
 1. Hepatic artery
 2. Portal vein
 3. Coeliac artery
 4. None of these



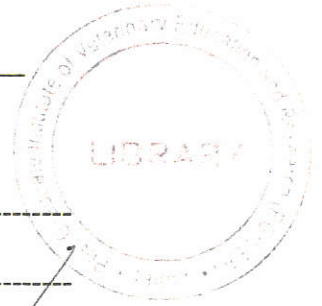
- 7. The muscle present on anterior aspect of metatarsal of ox is: ()
 - 1. Tibialis anticus
 - 2. Extensor brevis
 - 3. Complex
 - 4. Peroneus longus
- 8. Brain develops from which germ layer: ()
 - 1. Ectoderm
 - 2. Mesoderm
 - 3. Endoderm
 - 4. All of the above.
- 9. Epididymis develops from: ()
 - 1. Mullerian duct
 - 2. Pronephric duct
 - 3. Wolffian duct
 - 4. None of above
- 10. Which one is not the content of spermatic cord? ()
 - 1. Tunica vaginalis
 - 2. Tunica albuginea
 - 3. Vas deference
 - 4. Spermatic artery
- 11. Mammary artery is the branch of: ()
 - 1. Internal pudic artery
 - 2. External pudic artery
 - 3. Deep femoral artery
 - 4. Internal iliac artery
- 12. Gestation period of mare is: ()
 - 1. 65 days
 - 2. 150 days
 - 3. 280 days
 - 4. 330 days
- 13. Chromaffin cells are found in: ()
 - 1. Thyroid gland
 - 2. Adrenal cortex
 - 3. Adrenal medulla
 - 4. Pancreas
- 14. Position of the sigmoid flexure is prescrotal in: ()
 - 1. Boar
 - 2. Camel
 - 3. Both of above
 - 4. Buffalo bull
- 15. Thelumbo-sacral plexus is formed by ventral primary branches of: ()
 - 1. 1st two lumbar and 1st two sacral spinal nerves
 - 2. Last three lumbar and 1st two sacral spinal nerves
 - 3. 1st three lumbar and last two sacral spinal nerves
 - 4. Last two lumbar and 1st three sacral spinal nerves

16. Which of the following vein used for intravenous injection in dog? ()
1. External Jugular vein
2. Recurrent Tarsal vein
3. Femoral vein
4. Portal vein
17. Which of the following structure is lined by the Ependymal cell? ()
1. Blood vessels
2. Ventricles of heart
3. Ventricles of brain
4. All of above
18. Number of teat in mammary gland of mare? ()
1. 2
2. 4
3. 10
4. 12
19. Renal corpuscles are present in: ()
1. Renal cortex
2. Renal medulla
3. Renal pelvis
4. Capsule
20. Outermost layer of the epidermis which consists of completely keratinized dead cell is: ()
1. Stratum Basale
2. Stratum Spinosum
3. Stratum Lucidum
4. Stratum Corneum

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) Lacteal:

Please write Roll No. above this line



ii) Cytoplasmic inclusions:

iii) Myoepithelial cells:

iv) Tissue:

v) Zygote:

vi) Gastrulation:

Do not write across this line

vii) Somite:

viii) Ansa spiralis:

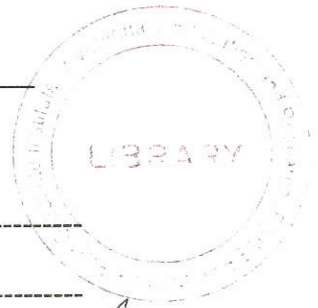
ix) Sinsacrum:

x) Linea alba:

xi) Milk vein:



Please write Roll No. above this line



xii) Castration:

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) Types of cartilage:

ii) Coeliac artery:

Please write Roll No. above this line

iii) Proximal extremity of femur of ox:

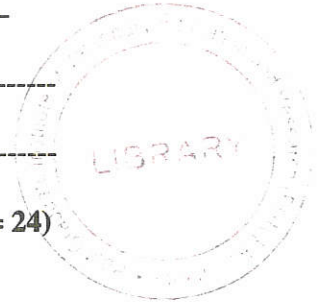
iv) Types of egg on the basis of distribution of yolk:

Please write Roll No. above this line

vii) Femoro-Patellar articulation of ox:

viii) Boundaries of pelvic cavity:

Please write Roll No. above this line _____



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

- i) What is histology? Describe the general histological structure of tubular organs with the help of suitable diagram.
- ii) Write the formation and distribution of lumbo-sacral plexus. Enlist the different branches and explain in detail the tibial nerve.
- iii) What is the placenta? Classify different types of placenta with example and describe in detail epitheliochorial and endotheliochorial placenta.

Donot write across this line

Please write Roll No. above this line _____

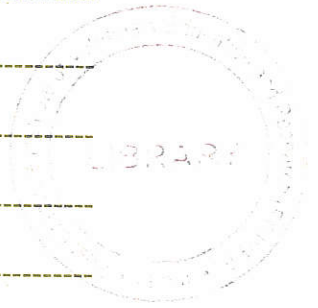
Q. No.

Handwriting practice area consisting of multiple horizontal dashed lines. A diagonal line is drawn across the page from the bottom left towards the top right.

Donot write across this line

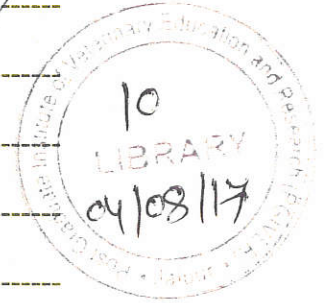
Donot write across this line

Please write Roll No. above this line



Do not write across this line

Please write Roll No. above this line



Donot write across this line

Please write Roll No. above this line

Donot write across this line