

Subject: Veterinary Anatomy

1. The glenoid cavity continues forward upon the distal face of the tuber scapulae in
 - a. ox
 - b. horse
 - c. dog
 - d. pig

2. The musculospiral groove accommodates this muscle
 - a. Biceps
 - b. Triceps
 - c. Coracobrachialis
 - d. Brachialis

3. The muscle that does not contribute in attachment of scapula to trunk (syndesmosis) in ox is:
 - a. Trapezius
 - b. Supraspinatus
 - c. Rhomboideus
 - d. Serratus ventralis

4. Ulna is least developed in
 - a. Ox
 - b. Pig
 - c. Dog
 - d. Horse

5. The accessory carpal articulates with ulna in
 - a. Ox
 - b. Horse
 - c. Dog
 - d. Pig

6. Carpus of this species has least number of bones
 - a. Ox
 - b. Horse
 - c. Pig
 - d. Dog

7. Number of bones in the metacarpus of pig
 - a. 2
 - b. 3
 - c. 4
 - d. 5

8. The acetabulum is perforated in
- Fowl
 - Horse
 - Dog
 - Ox
9. Trunk of an animal is comprised of:
- Thorax, Abdomen and Pelvis
 - Neck, Thorax and Abdomen
 - Head, Thorax and Abdomen
 - Head, Neck and Thorax
10. The distal extremity of tibia of this species has trochlear articular surface
- Fowl
 - Horse
 - Ox
 - Dog
11. Lateral malleolus is a separate piece of bone in
- Fowl
 - Horse
 - Dog
 - Ox
12. The muscle anconeus gets innervation from:
- Ulnar nerve
 - Radial nerve
 - Median nerve
 - Axillary nerve
13. Large metatarsal bone of ox is a fusion of
- I and II
 - III and IV
 - II and III
 - IV and V
14. Which of the following muscle is absent in Ox:
- Superficial gluteus
 - Quadriceps femoris
 - Middle gluteus
 - Biceps femoris

15. Foramen transversarium is absent in this cervical vertebra in ox
- 3rd
 - 4th
 - 7th
 - 6th
16. Number of sacral vertebrae in dog
- 5
 - 4
 - 6
 - 3
17. Odontoid process of axis articulates with occipital condyle in
- Fowl
 - Horse
 - Pig
 - Ox
18. Arrange the layer of epidermis in sequential order:
- Stratum basale, stratum granulosum, stratum spinosum, stratum lucidum and stratum corneum
 - Stratum basale, stratum granulosum, stratum lucidum, stratum spinosum and stratum corneum
 - Stratum basale, stratum spinosum, stratum granulosum, stratum lucidum and stratum corneum
 - Stratum basale, stratum lucidum, stratum granulosum, stratum spinosum and stratum corneum
19. The nerve that donot innervate extraocular muscles is:
- Trochlear nerve
 - Ophthalmic nerve
 - Oculomotor nerve
 - Abducens nerve
20. Cribriform plate of ethmoid bone gives passage to filaments of this nerve
- Trochlear
 - Optic
 - Olfactory
 - Trigeminal
21. Hepatic sinusoids are lined by:
- Endothelial cells only
 - Stellate macrophages only
 - Endothelial cells and clara cells
 - Endothelial cells and stellate macrophages

22. Foramen ovale gives passage to this nerve
- Maxillary
 - Mandibular
 - Ophthalmic
 - Oculomotor
23. Maximum number of lateral mental foramina are found in
- Dog
 - Horse
 - Ox
 - Pig
24. The osseous basis of hard palate is formed by:
- Premnaxilla, maxilla, pterygoid bones
 - Premnaxilla, maxilla, vomer bones
 - Maxilla, pterygoid and nasal bones
 - Premnaxilla, maxilla, palatine bones
25. This bone plays major role in capability of fowl to open its mouth wide
- Mandible
 - Quadrate
 - Hyoid
 - Temporal
26. Ligamentum nuchae is a modification of this ligament
- Dorsal longitudinal
 - Supraspinous
 - Ventral longitudinal
 - Interspinous
27. Rotational movement is noticed in this joint in ox
- Occipitoatlantal
 - Elbow
 - Atlantoaxial
 - Stifle
28. Left and right rectus abdominis muscles are separated by
- Paralumbrofosae
 - Flank
 - Linea alba
 - Ligamenta flava

29. Tunica vaginalis of the scrotum is an extension of
- Omentum
 - Peritoneum
 - Mesentery
 - Pleura
30. The ligament which runs from umbilical fissure to the oesophageal notch on the parietal surface of liver is known as:
- Coronary Ligament
 - Round ligament
 - Falciform ligament
 - Left lateral ligament
31. The blind end of caecum in this species reaches just behind the sternum
- Horse
 - Ox
 - Pig
 - Dog
32. Bands and sacculations are absent in the large intestine of
- Horse
 - Dog
 - Donkey
 - Pig
33. Ascending colon of one species does not bear spiral loop
- Ox
 - Buffalo
 - Dog
 - Pig
34. Species in which liver has no contact with right kidney
- Ox
 - Horse
 - Pig
 - Dog
35. Both kidneys are present mostly at same level in
- Ox
 - Horse
 - Pig
 - Dog

36. The corpora lutea in this species never project from the surface of ovary
- Cow
 - Mare
 - Sow
 - Bitch
37. Which of the following staining method can be used for demonstration of mucopolysaccharides
- Feulgen reaction
 - PAS reaction
 - Masson's trichrome methods
 - Sudan Black method
38. Stud like projections are present on the mucosa of cervix in
- Sow
 - Cow
 - Mare
 - Bitch
39. Bulbourethral glands are absent in
- Ox
 - Horse
 - Dog
 - Pig
40. Initial parts of the two crura of the corpus cavernosum do not fuse in
- Ox
 - Horse
 - Dog
 - Pig
41. Apical bronchus is found in
- Ox & Pig
 - Horse & Dog
 - Dog & Pig
 - Ox & Horse
42. One among the following is not related to ventricles of heart in ox
- Pectinate muscles
 - Septomarginal trabeculae
 - Papillary muscles
 - Moderator bands

43. Single branch of the abdominal aorta
- Renal
 - Testicular
 - Lumbar
 - Cranial mesenteric
44. Artery which does not contribute to the rete mirabile cerebri
- Occipital
 - Superficial cervical
 - Maxillary
 - Vertebral
45. Portal triad of the liver does not have branch of this
- Portal vein
 - Hepatic artery
 - Bile duct
 - Hepatic vein
46. Thoracic duct does not receive lymph from
- Pelvic limbs
 - Abdomen
 - Left forelimb
 - Right forelimb
47. Number of pairs of intercostal arteries in horse
- 13
 - 18
 - 16
 - 14
48. Left subclavian artery arise independently from aortic arch in
- Ox
 - Horse
 - Dog
 - Pig
49. One among the following is not the part of the basal ganglia
- Corpus striatum
 - Clastrum
 - Amygdala
 - Corpus albicans

50. The middle cerebellar peduncles originate from
- Pons
 - Medulla oblongata
 - Midbrain
 - Tuber cinereum
51. Trochlear nerve is motor to this muscle of eye ball
- Lateral rectus
 - Medial rectus
 - Dorsal rectus
 - Dorsal oblique
52. The cranial nerve that innervate derivatives of second pharyngeal arch is:
- Glossopharyngeal (IX) nerve
 - Facial (VII) nerve
 - Trigeminal (V) nerve
 - Oculomotor (III) nerve
53. The olfactory bulbs are relatively well developed in
- Ox
 - Horse
 - Buffalo
 - Pig
54. Chorda tympani nerve carries sensory impulse from
- Tongue
 - Cochlea
 - Tympanum
 - Vestibule
55. This stain differentiates the muscle from the connective tissue
- Van Gieson
 - H & E
 - Masson's trichrome
 - Orcein
56. Myoepithelial cells are noticed around the secretory units of
- Pancreas
 - Mammary gland
 - Brunner's gland
 - Crypts of Lieberkuhn

57. Elastic laryngeal cartilage
- Cricoid
 - Thyroid
 - Cuneiform
 - Epiglottis
58. One among the following is not a gustatory papilla
- Vallate
 - Lenticular
 - Fungiform
 - Foliate
59. Pepsinogen is secreted by these cells of gastric glands
- Mucous neck
 - Chief
 - Parietal
 - Neuroendocrine
60. Brunner's glands are restricted to this section of intestine in ox
- Ileum
 - Caecum
 - Duodenum
 - Colon
61. The mucosal surface of gizzard is covered by
- Brush border
 - Rugae
 - Cuticle of Koilin
 - Papillae
62. Adenohypophysis is derived from
- Meckel's diverticulum
 - Rathke's pouch
 - Neural crest
 - Tarsal plate
63. Calcified deposits of epiphysis cerebri
- Corporalutea
 - Corpora tecti
 - Corpora quadrigemina
 - Corpora arenacea

64. Which of the following neuroglial cell have phagocytic function
- Neurolemmocyte
 - Oligodendrocyte
 - Astrocyte
 - Microglia
65. Neurosecretion present in the axons of the hypothalamo-hypophyseal tracts
- Nissl body
 - Brain sand
 - Herring body
 - Coporaamylecea
66. Presence of this distinguishes primary ovarian follicle from the secondary
- Theca externa
 - Zona pellucida
 - Theca interna
 - Corona radiata
67. Diffused placenta is found in this species
- Ox
 - Buffalo
 - Dog
 - Horse
68. Thyroid gland is derived from this pharyngeal pouch
- IV
 - II
 - I
 - III
69. This duct is utilized by male genital system during its development
- Pronephric
 - Deferent duct
 - Metanephric
 - Mesonephric
70. Heart develops from endothelial tubes
- 1
 - 4
 - 2
 - 3

71. Optic vesicle develops from
- Prosencephalon
 - Metencephalon
 - Mesencephalon
 - Myelencephalon
72. Otic placode develops from
- Prosencephalon
 - Rhombencephalon
 - Mesencephalon
 - Rhinencephalon
73. Mammary glands are modified
- Sebaceous gland
 - Sweat glands
 - Ceruminous gland
 - Carpal gland
74. Chromaffin cells of adrenal medulla develop from
- Ectoderm
 - Mesoderm
 - Endoderm
 - Pododerm
75. Cells found in cerebellar cortex
- Paneth
 - Leydig's
 - Kupffer's
 - Purkinje
76. Presence of this clearly differentiates the PCT from DCT of kidney
- Folds
 - Stereocilia
 - Papillae
 - Brush border
77. In ox, first three pairs of intercostal arteries originate from
- Thoracic aorta
 - Bronchial artery
 - Costocervical trunk
 - Brachial artery

78. One of the following terms is not related to pituitary gland
- Sellaturcica
 - Diaphragm sellae
 - Hypophyseal fossa
 - Corpus mammillare
79. Prescrotal sigmoid flexure is found in the penis of
- Pig
 - Horse
 - Ox
 - Dog
80. Relatively longer uterine horns are found in
- Cow
 - Sow
 - Mare
 - Bitch
81. In ox, cruciate ligament is present in this joint
- Shoulder
 - Stifle
 - Hip
 - Elbow
82. The third and fourth ventricles of brain are interconnected by
- Aqueduct of Sylvius
 - Ductus arteriosus
 - Foramen Monro
 - Foramen lacerum
83. Number of pairs of spinal nerves in horse
- 35
 - 37
 - 39
 - 42
84. In ox, the Stenson's duct opens in mouth against this cheek tooth
- 3rd premolar
 - 2nd molar
 - 1st molar
 - 3rd molar

85. Greater and lesser sacs of the peritoneum are communicated by a narrow passage called foramen
- Epiploic
 - Magendi
 - Monro
 - Magnum
86. Cartilage found in the inter-vertebral discs is of this type
- Hyaline
 - Fibrous
 - Elastic
 - Hard
87. Macrophages present in the perisinusoidal space of liver
- Microglial cell
 - Dust cell
 - Clara cell
 - Kupffer's cell
88. One among the following is not the component if JG apparatus
- Macula densa
 - Mesangial cells
 - Podocytes
 - JG cells
89. "Elevator of the Hair" is
- Ciliary muscle
 - Retractor muscle
 - Suspensory ligament
 - Arrector pili muscle
90. The pyramid-shaped cells, acidophilic granular cells present near base of intestinal glands in ruminants and horses are called:
- Chief cells
 - Paneth cells
 - Chromaffin cells
 - APUD cells
91. Dentin of teeth is derived from
- Ameloblast
 - Chondroblast
 - Odontoblast
 - Osteoblast

92. Columella is a bone present in the ear of
- Ox
 - Dog
 - Fowl
 - Pig
93. The blood-testis barrier is formed by tight junction between adjacent:
- Spermatocytes
 - Sustentacular cells
 - Clara cells
 - Leydig cells
94. Collection of nerve cell bodies outside the CNS is called as
- Neuroglia
 - Perikaryon
 - Astrocyte
 - Ganglion
95. Cart-wheel like nucleus is found in
- Mast cell
 - Melanocytes
 - Macrophages
 - Plasma cell
96. The fossa covered by anconeus muscle:
- Masseteric
 - Pterygopalatine
 - Infraspinous
 - Olecranon
97. Fibers of this muscle are arranged around the opening of mouth is
- Orbicularis oris
 - Zygomaticus
 - Levator nasolabialis
 - Buccinator
98. Trigonum vesicae is present in this organ
- Lung
 - Gall bladder
 - Urinary bladder
 - Liver

99. Left and right pleural sacs are separated by
- Oesophagus
 - Diaphragm
 - Trachea
 - Mediastinum
100. Cardiac muscle cells are interlinked by
- Z lines
 - Intercalated discs
 - M lines
 - H zones
101. Glial cells of peripheral nervous system
- Astrocytes
 - Microglia
 - Neurolemmocytes
 - Oligodendrocytes
102. Which of the following facilitate adhesion of basal epithelial cells to the underlying basement membrane
- Tight junction
 - Gap junction
 - Hemidesosome
 - Desmosome
103. Left extremity of equine stomach is rounded in the form of cul-de-sac
- Cuticle of Koilin
 - Sacuscaecus
 - Diverticulum
 - Margo plicatus
104. Compartment of stomach of ox lies completely on right of median plane
- Rumen
 - Omasum
 - Reticulum
 - Abomasum
105. Cortical and medullary areas are reversed in position in lymph nodes of
- Ox
 - Horse
 - Pig
 - Dog

106. Tapetum lucidum is absent in the choroid of
- Ox
 - Pig
 - Dog
 - Horse
107. The bursa of Fabricius is a median dorsal diverticulum of
- Crop
 - Cloaca
 - Pharynx
 - Trachea
108. The most numerous cells in the islets of Langerhans of pancreas
- Alpha
 - Delta
 - Beta
 - F
109. The cochlear duct is separated from the scala vestibuli by:
- Reissner's membrane
 - Bowman's membrane
 - Descemet's membrane
 - Basilar membrane
110. Structure not associated with carotid sheath
- Common carotid artery
 - Subclavian artery
 - Internal jugular vein
 - Vagosympathetic trunk
111. Ventral most cervical muscle in ox
- Sternothyrohyoideus
 - Cleidomastoideus
 - Longus coli
 - Cleidooccipitalis
112. One among the following is not a clearing agent
- Cedarwood oil
 - Benzene
 - Xylene
 - Acetone

113. Zonary placenta is developed in
- Cow
 - Bitch
 - Mare
 - Sow
114. Structure not associated with spermatic cord
- Testicular artery
 - Testicular vein
 - Tunic vaginalis
 - Rete testis
115. Structure not associated with cauda equina
- Filum terminale
 - Coccygeal nerves
 - Cranial gluteal nerve
 - Conus medullaris
116. Structure not associated with short cut of fetal circulation
- Foramen ovale
 - Ductus arteriosus
 - Ductus venosus
 - Anterior uterine artery
117. Number of sternbrae in horse
- 8
 - 7
 - 6
 - 5
118. Major and minor calices are not found in the kidney of
- Ox
 - Buffalo
 - Horse
 - Pig
119. One joint among the following is not a ginglymus
- Elbow
 - Fetlock
 - Occipitoatlantal
 - Hip
120. The condition in which the heart does not attain its expected position in the thorax is:
- Oscordis
 - Tetralogy of Fallot
 - Ectopiacordis

d. Bradycardia

Key

1.	C
2.	D
3.	B
4.	D
5.	C
6.	A
7.	C
8.	A
9.	A
10.	A
11.	D
12.	B
13.	B
14.	A
15.	C
16.	D
17.	A
18.	C
19.	B
20.	C
21.	D
22.	B
23.	A
24.	D
25.	B
26.	B
27.	C
28.	C
29.	B
30.	C

31.	A
32.	B
33.	C
34.	C
35.	C
36.	B
37.	B
38.	A
39.	C
40.	C
41.	A
42.	A
43.	D
44.	B
45.	D
46.	D
47.	B
48.	C
49.	D
50.	A
51.	D
52.	B
53.	D
54.	A
55.	C
56.	B
57.	D
58.	B
59.	B
60.	C

61.	C
62.	B
63.	D
64.	D
65.	C
66.	B
67.	D
68.	A
69.	D
70.	C
71.	A
72.	B
73.	B
74.	A
75.	D
76.	D
77.	C
78.	D
79.	A
80.	B
81.	B
82.	A
83.	D
84.	B
85.	A
86.	B
87.	D
88.	C
89.	D
90.	B

91.	C
92.	C
93.	B
94.	D
95.	D
96.	D
97.	A
98.	C
99.	D
100.	B
101.	A
102.	C
103.	B
104.	B
105.	C
106.	B
107.	A
108.	C
109.	A
110.	B
111.	A
112.	D
113.	B
114.	D
115.	C
116.	D
117.	B
118.	C
119.	D
120.	C