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B.V.Sc. & A.H. (First Professional) Examination – 2022
Veterinary Anatomy Paper –I
(MSVE 2016)

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 The plane parallel to median plane is known as _____.
1.2 The bony structure present in heart of ox is called as _____.
1.3 The opening of mouth cavity is also known as _____.
1.4 The foramen triosseum is present in _____ (species).
1.5 _____ Foramen is the characteristic feature of the humerus of dog.
1.6 The acromian process is absent in scapula of _____ (Sp.).
1.7 The presence of lysaa is a characteristic feature of the tongue of _____ (species).
1.8 The foramen oval is absent in the skull of _____ (sp).
1.9 The number of sternebrae in horse is _____.
1.10 The valve present between right auricle and ventricle is _____.
1.11 The smallest cranial nerve is _____.
1.12 The folds of duramater present between cerebrum and cerebellum is known as _____.
1.13 There are _____(number) pharyngeal openings.
1.14 The largest facial bone in ox is _____.
1.15 The largest salivary gland in ox is _____.
1.16 _____muscle is present in musculospiral groove of humerus of ox.
1.17 The_____ (artery) is embedded in the optic nerve.
1.18 The great metacarpal artery is the continuation of the _____ artery.
1.19 Carnassial type of teeth is present in the dental arch of _____ (species).
1.20 The space present between duramater and arachnoid is called as_____.

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 Shallow articular cavity in a bone is known as ( )
1. Trochlea
2. Tuberosity
3. Glenoid cavity
4. Cotyloid cavity

2.2 Notorium is present in: ( )
1. Thoracic vertebrae of fowl
2. Sternum of ox
3. Ribs of fowl
4. Atlas of pig

2.3 The scapular spine is caudally directed in scapula of: ( )
1. Ox
2. Horse
3. Dog
4. Pig

2.4 The number of carpals in dog ( )
1. 5
2. 6
3. 7
4. 8

2.5 Cigulum is feature of tooth in ( )
1. Dog
2. Ox
3. Horse
4. Pig

2.6 Pygostyle present in ( )
1. Horse
2. Fowl
3. Pig
4. Dog

2.7 Zygomatic glands are present in ( )
1. Dog
2. Horse
3. Pig
4. Ox

2.8 Os penis is present in ( )
1. Horse
2. Ox
3. Pig
4. Dog

2.9 Lyasa is present in ( )
1. Dog
2. Pig
3. Horse
4. Fowl

2.10 Double frenum lingaue is present in ( )
1. Fowl
2. Pig
3. Dog
4. Ox

2.11 Medulla oblongata is part of ( )
1. Fore brain
2. Mid brain
3. Hind brain
4. Corpora quaderigemina

2.12 The parotid salivary glands duct of ox opens at the level of ( )
1. 3rd lower molar tooth
2. 3rd upper molar tooth
3. 5th lower molar tooth
4. 5th lower molar tooth

2.13 Pillars of heart are known as ( )
1. Muscuale Pectinati
2. Muscuale Papillaris
3. Cardiac ridges
4. None

2.14 Which among the following not included in refractive media of eye ( )
1. Aqeous humour
2. Conjunctiva
3. Lens
4. Cornea

2.15 Longest cranial nerve is ( )
1. Trochlear
2. Olfactory
3. Optic
4. Vagus

2.16 Pulmonary artery arises from ( )
1. Hiatus aorticus
2. Bulbous aorticus
3. Conus arteriosus
4. None

2.17 Linguaofacial trunk is also called as ( )
1. External maxillary artery
2. Internal maxillary artery
3. External carotid artery
4. Ophthalmic artery

2.18 The thoracodorsal nerve innervates the: ( )
1. Lattisimus dorsi muscle
2. Tensor Fasciae antibrachii
3. Both 1&2
4. None

2.19 Tapetum lucidum is absent in ( )

1. Ox
2. Horse
3. Dog
4. Pig

2.20 Cisterna present between cerebellum and medulla oblongata is ( )

1. Cisterna magna
2. Cisterna pontis
3. Cisterna basalis
4. Cisterna fossa lateralis

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 Spongy bone

3.2 Cotyloid cavity

3.3 Biomechnics

3.4 Dental pad

3.5 Basal ganglion

3.6 Membranous labyrinth

3.7 Carotid body

3.8 Cisterna chyli

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3.9 Sinus

3.10 Organ of corti

3.11 Cerebral of Aqueduct

3.12 Pneumogastric trunk

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 Describe the right auricle of heart

4.2 Describe the mandible of ox.

4.3 Describe the hoof of horse with labelled diagram.

4.4 Describe the ventricles of brain.

4.5 Describe the scapula of pig.

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4.6 Differentiate between metacarpal of ox and horse.

4.7 Enumerate all cranial nerves chronologically along with their nature.

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4.8 .Describe tunics of eye.

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

5.1 Describe the radius and ulna of ox with labelled diagram and compare it with dog and horse.

5.2 Describe the arterial supply of forelimb in detail.

5.3 Describe the internal structure of heart of ox with well labelled diagram.