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B.V.Sc. & A.H. (Fourth Professional) Examination – 2023
Veterinary Medicine Paper-I

Time: Three Hours

Maximum Marks: 100
Weightage: 20

- Unit-1 (General)
- Unit-2 (Systemic Diseases)
- Unit-3 (Metabolic and Deficiency Disorders)
- Unit-4 (Zoo and Wild Animal Medicine)

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 Accumulation of air in the thoracic cavity is termed as _____.
- 1.2 Full name of CITES is _____.
- 1.3 The nervous disorder manifested by violent activities with little regard to surrounding as seen in rabies is termed as _____.
- 1.4 _____ is a skin condition characterized by presence of bran like scales on skin surface.
- 1.5 _____ is a procedure in which the newly arrived animals kept in confinement in a separate place for a specified length of time.
- 1.6 The toxic substance present in the green leaves _____ and normally is metabolized in liver is responsible for photosensitization in bullock.
- 1.7 _____ are continuous whistling, squeaking sounds caused by vibrations of airways or air passing through a narrowed airway.
- 1.8 Coughing of blood with haemorrhages usually originating from lungs is called as _____.
- 1.9 _____ usually develops by ascending infection from the lower urinary tract, characterized by pyuria, haematuria, cystitis, ureteritis, and suppurative nephritis.
- 1.10 Absence of bilirubin in urine and preponderance of indirect bilirubin in serum is a feature of _____ type of jaundice
- 1.11 Specialized syringes used for loading of immobilizing drugs are known as _____.

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- 1.12 In horse, unilateral epistaxis is observed due to mycotic ulceration of the blood vessels in the wall of _____.
- 1.13 The death in cases of milk fever occurs due to _____.
- 1.14 Herd of the lion is known as _____.
- 1.15 Solution of _____ is recommended for intravenous infusion in cases of milk fever.
- 1.16 _____ deficiency leads to depigmentation of skin in buffaloes and pasty faeces in ruminants.
- 1.17 Fatty liver kidney syndrome in poultry is caused by deficiency of vitamin _____.
- 1.18 _____ are used for the collection of blood samples in case of elephants.
- 1.19 Presence of ketone bodies in milk is called _____.
- 1.20 Impaired metabolism of _____ and fat in ruminants causes ketosis.

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:

- 2.1 Liver enzyme specific for cattle is (20x0.5 = 10)
1. SDH ()
2. SGPT
3. ALP
4. CPK
- 2.2 Dummy syndrome in animals occurs in ()
1. TRP
2. Hepatic cirrhosis in the horse
3. Milk fever in cattle
4. All of the above
- 2.3 Antidote for etorphine is ()
1. Pentazocine
2. Yohimbine
3. Morphine
4. Diprenorphine
- 2.4 Transit time of blood from abomasum to rectum in normal cows varies from ()
1. 1-3 hrs
2. 3-5 hrs
3. 5-7 hrs
4. 7-19 hrs

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- 2.5 The disease of horses caused by inadequate hand-fed diet containing excess grain is ()
1. Metabolic acidosis
 2. Metabolic alkalosis
 3. Osteodystrophia fibrosa
 4. None of the above
- 2.6 Type of fever in equine infectious anaemia is ()
1. Biphasic
 2. Intermittent
 3. Remittent
 4. Atypical
- 2.7 Chattbir zoo is located in ()
1. Chandigarh
 2. Uttar Pradesh
 3. Goa
 4. Kerala
- 2.8 Most important glucose precursor is ()
1. Propionate
 2. Acetate
 3. Butyrate
 4. All of the above
- 2.9 Elevation and rigidity of the tail, and rigidity of the ears and limbs are good indications of ()
1. Mild abdominal pain
 2. Severe abdominal pain
 3. Tetanus
 4. Rabies
- 2.10 The causative agent of tuberculosis in wild animals is ()
1. *Mycobacterium tuberculosis*
 2. *M. bovis*
 3. *M. microti*
 4. All of the above
- 2.11 Arrhythmia produced with calcium borogluconate in milk fever cases can be abolished by ()
1. Epinephrine
 2. Dexamethasone
 3. Chlorpheniramine
 4. Atropine
- 2.12 In young animals, the compression of the brain and spinal cord is due to deficiency of ()
1. Vitamin E
 2. Vitamin C
 3. Vitamin K
 4. Vitamin A

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- 2.13 Neutrophilia and shift to left is characteristic of ()
1. Carbohydrate engorgement
2. Ruminal tympany
3. Fatty liver syndrome
4. Acute traumatic reticuloperitonitis
- 2.14 Hellabrunn mixture used for anesthesia contains ()
1. Atropine and xylazine
2. Xylazine and ketamine
3. Ketamine and etorphine
4. Only keatmine
- 2.15 Decrease in PCO_2 due to hyperventilation is a compensatory mechanism in ()
1. Respiratory acidosis
2. Respiratory alkalosis
3. Metabolic acidosis
4. Metabolic alkalosis
- 2.16 Complete loss of the ability to absorb immunoglobulin occurs by ()
1. 6-8 hrs after birth
2. 24-36 hrs after birth
3. 48-72 hrs after birth
4. 96-120 hrs after birth
- 2.17 Lampas is the inflammation of ()
1. Tongue
2. Palate
3. Gum
4. None of the above
- 2.18 Jim Corbett National Park is located in ()
1. Maharashtra
2. Gujarat
3. Uttarakhand
4. Uttar Pradesh
- 2.19 Depigmentation of skin in buffaloes and pasty faeces in ruminants is seen in deficiency of following mineral ()
1. Cobalt
2. Copper
3. Zinc
4. Selenium
- 2.20 Deficiency of which of the following trace element causes parakeratosis in swine ()
1. Zinc
2. Selenium
3. Iodine
4. Manganese

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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 Xerophthalmia

3.2. Ethology

3.3. Anaemia

3.4 Perosis in poultry

3.5. Naval ill

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3.6. Endangered species

3.7. Scabies

3.8. Curl toe paralysis

3.9 White muscle disease

3.10 Bafflotement

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3.11. Capture myopathy

3.12. Cheyne-stokes respiration

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 Sudden or unexpected death

4.2 Metabolic profile test

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4.3 Steps to be taken to maintain proper zoo hygiene

4.4 Cushing syndrome

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4.5 Write on tuberculosis in wild animals and its management.

4.6. Chronic renal failure

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4.7. Fat cow syndrome

4.8. Describe on Captive breeding and Assisted Reproduction

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

- 5.1 Gives details about etiology, clinical signs, diagnosis and management of azoturia in equines. (2,3,3,4)
- 5.2 Write down the etio-pathogenesis, clinical signs, clinical pathology and therapeutic management of Ruminal tympany. (3,3,3,3)
- 5.3 Prevention, control and treatment of infectious and parasitic diseases in zoo and wild animals (6,6)