

VETERINARY SCIENCE ICAR SEPT 2022

Topic:- 13 VETERINARY SCIENCE_PG

1) The species of animal in which olecranon process is grooved and bears three prominences is

[Question ID = 1801][Question Description = 101_4_VESC_AUG22_Q01]

1. Ox [Option ID = 7201]
2. Horse [Option ID = 7202]
3. Dog [Option ID = 7203]
4. Fowl [Option ID = 7204]

2) A soft musculo-membranous curtain which separates the mouth cavity from that of pharynx, except during swallowing is[Question ID = 1802][Question Description = 102_4_VESC_AUG22_Q02]

1. Frenula labii [Option ID = 7205]
2. Frenum linguae [Option ID = 7206]
3. Soft palate [Option ID = 7207]
4. Plicapterygomandibularis [Option ID = 7208]

3) In ox, the artery which supplies blood to the gall bladder is[Question ID = 1803][Question Description = 103_4_VESC_AUG22_Q03]

1. Pancreatic artery [Option ID = 7209]
2. Cystic artery [Option ID = 7210]
3. Umbilical artery [Option ID = 7211]
4. Gastroduodenal artery [Option ID = 7212]

4) After birth, the ductus arteriosus is transformed into[Question ID = 1804][Question Description = 104_4_VESC_AUG22_Q04]

1. Ligamentum arteriosum [Option ID = 7213]
2. Ligamentum venosum [Option ID = 7214]
3. Ligamentum teres [Option ID = 7215]
4. Fossa ovalis [Option ID = 7216]

5) Among the followings, identify the purely motor cranial nerve

[Question ID = 1805][Question Description = 105_4_VESC_AUG22_Q05]

1. Optic nerve [Option ID = 7217]
2. Olfactory nerve [Option ID = 7218]
3. Trochlear nerve [Option ID = 7219]
4. Trigeminal nerve [Option ID = 7220]

6) Name the gland which develops as multiple outgrowth of the entodermal urethral epithelium

[Question ID = 1806][Question Description = 106_4_VESC_AUG22_Q06]

1. Seminal vesicle [Option ID = 7221]
2. Bulbourethral gland [Option ID = 7222]
3. Urethral gland [Option ID = 7223]
4. Prostate gland [Option ID = 7224]

7) Femur of horse can be easily identified by

- A. Presence of trochanter tertius on the dorsal third of the lateral border of femur
- B. Trochanter minor in the form of thick rough ridge
- C. The shallow supracondyloid fossa margined by well developed supracondyloid crest
- D. Trochanter major subdivided into crest, convexity and summit
- E. Trochanteric ridge runs from trochanter major to trochanter minor

Choose the *correct* answer from the options given below:

[Question ID = 1807][Question Description = 107_4_VESC_AUG22_Q07]

1. A, B, C and D only [Option ID = 7225]
2. A, B and D only [Option ID = 7226]

3. A, B, D and E only [Option ID = 7227]
4. A, C and E only [Option ID = 7228]

8) Flexor muscles of hip are

- A. Sartorius
- B. Iliopsoas
- C. Semitendinosus
- D. Quadriceps femoris
- E. Tensor fascia lata

Choose the *correct* answer from the options given below:

[Question ID = 1808][Question Description = 108_4_VESC_AUG22_Q08]

1. A, B, C and D only [Option ID = 7229]
2. B, C, D and E only [Option ID = 7230]
3. A, B, D and E only [Option ID = 7231]
4. A, B, C and E only [Option ID = 7232]

9) Identify the foramen/foramina which is/are not found in the occipital bone of ox

- A. Foramen magnum
- B. Hypoglossal foramen
- C. Foramen orbitotundum
- D. Condylod foramen
- E. Foramen laceraum

Choose the *correct* answer from the options given below:

[Question ID = 1809][Question Description = 109_4_VESC_AUG22_Q09]

1. B and D only [Option ID = 7233]
2. A and C only [Option ID = 7234]
3. B and E only [Option ID = 7235]
4. C and E only [Option ID = 7236]

10) Match List I with List II

List I	List II
A. Rumen	I. Transitional epithelium
B. Trachea	II. Simple squamous epithelium
C. Ureter	III. Stratified squamous keratinized epithelium
D. Bicarotid trunk	IV. Pseudostratified columnar ciliated epithelium

Choose the correct answer from the options given below:

[Question ID = 1810][Question Description = 110_4_VESC_AUG22_Q10]

1. A -III, B -I, C -IV, D -II [Option ID = 7237]
2. A -III, B -IV, C -I, D -II [Option ID = 7238]
3. A -II, B -I, C -IV, D -III [Option ID = 7239]
4. A -III, B -II, C -IV, D -I [Option ID = 7240]

11) Match List I with List II

List I	List II
A. Ovulation fossa	I. Bitch
B. Uterine cotyledons	II. Cow
C. Very long flexuous cornua of uterus	III. Mare
D. Very short uterine body with extremely long narrow horn	IV. Sow

Choose the correct answer from the options given below:

[Question ID = 1811][Question Description = 111_4_VESC_AUG22_Q11]

1. A -III, B -II, C -IV, D -I [Option ID = 7241]
2. A -II, B -III, C -IV, D -I [Option ID = 7242]
3. A -III, B -II, C -I, D -IV [Option ID = 7243]
4. A -IV, B -II, C -III, D -I [Option ID = 7244]

12) Arrange the following events of spermeiogenesis in a sequential order

- A. Acrosomal phase
- B. Golgi phase
- C. Cap phase
- D. Maturation phase

Choose the *correct* answer from the options given below

[Question ID = 1812][Question Description = 112_4_VESC_AUG22_Q12]

- 1. B, C, A, D [Option ID = 7245]
- 2. C, B, A, D [Option ID = 7246]
- 3. A, B, C, D [Option ID = 7247]
- 4. C, A, B, D [Option ID = 7248]

13) Arrange the following events of avian egg formation in a serial order

- A. Shell components (matrix, shell cuticle, and inorganic material) are formed
- B. Released secondary oocyte from the ovary is grasped by infundibulum
- C. The bilaminar shell membrane is formed
- D. Albumin is added to egg
- E. Storage of egg before laying

Choose the *correct* answer from the options given below

[Question ID = 1813][Question Description = 113_4_VESC_AUG22_Q13]

- 1. B, C, D, A, E [Option ID = 7249]
- 2. B, A, C, D, E [Option ID = 7250]
- 3. B, D, C, A, E [Option ID = 7251]
- 4. B, C, A, D, E [Option ID = 7252]

14) Arrange general features of embryonic development in sequential order

- A. Growth
- B. Cell proliferation
- C. Integration
- D. Differentiation

Choose the *correct* answer from the options given below

[Question ID = 1814][Question Description = 114_4_VESC_AUG22_Q14]

- 1. B, A, D, C [Option ID = 7253]
- 2. B, C, D, A [Option ID = 7254]
- 3. A, B, D, C [Option ID = 7255]
- 4. B, D, A, C [Option ID = 7256]

15) Match List I with List II

List I	List II
A. Diencephalon	I. Medulla oblongata
B. Mesencephalon	II. Pons
C. Metencephalon	III. Thalamus
D. Myelencephalon	IV. Corpora quadrigemina

Choose the correct answer from the options given below:

[Question ID = 1815][Question Description = 115_4_VESC_AUG22_Q15]

- 1. A -II, B -IV, C -III, D - I [Option ID = 7257]
- 2. A -IV, B -III, C -II, D -I [Option ID = 7258]
- 3. A -III, B -IV, C -I, D -II [Option ID = 7259]
- 4. A -III, B -IV, C -II, D -I [Option ID = 7260]

16) Identify the statements which are true for the histological structure of kidney

- A. Parenchyma of the kidney is divided into outer cortex and an inner medulla

B. Nephron is located both in cortex and medulla

C. The major part of each nephron is found in medulla

D. Numerous renal corpuscles are arranged in renal cortex

E. PCT is lined with simple low cuboidal epithelium whereas, DCT is lined with simple tall cuboidal epithelium with brush border

Choose the *correct* answer from the options given below:

[Question ID = 1816][Question Description = 116_4_VESC_AUG22_Q16]

1. A, B and D only [Option ID = 7261]
2. A, C and E only [Option ID = 7262]
3. A, B and E only [Option ID = 7263]
4. A, B and C only [Option ID = 7264]

17) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : In cow/calf, for amputation of horn or debudding cornual nerve block is given close to the frontal crest of frontal bone.

Reason R : The cornual nerve is the sensory branch of lacrimal nerve, which is the division of ophthalmic branch of trigeminal nerve. Cornual nerve emerges behind the orbit and ascends along the frontal crest, runs superficially covered by skin and frontalis muscle. Therefore to desensitize the structures present at the base and around the horn, cornual nerve block is given close to the frontal crest of frontal bone.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1817][Question Description = 117_4_VESC_AUG22_Q17]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7265]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7266]
3. A is true but R is false [Option ID = 7267]
4. A is false but R is true [Option ID = 7268]

18) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : In bovine, the biopsy of gall bladder is taken at the ventral part of the 10th or 11th intercostal space against the abdominal wall.

Reason R : In bovine, gall bladder is a pear shaped sac and lies partially in contact with the visceral surface of liver, but largely against the abdominal wall at the ventral part of the 10th and 11th intercostals space. Therefore, biopsy of gall bladder is taken at the ventral part of the 10th or 11th intercostals space against the abdominal wall

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1818][Question Description = 118_4_VESC_AUG22_Q18]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7269]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7270]
3. A is true but R is false [Option ID = 7271]
4. A is false but R is true [Option ID = 7272]

19) Given below are two statements

Statement I: Central canal is lined with columnar ciliated epithelium and helps in CSF circulation

Statement II: The choroid plexus which lay in the central canal assist in filtration of CSF

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 1819][Question Description = 119_4_VESC_AUG22_Q19]

1. Both Statement I and Statement II are correct [Option ID = 7273]
2. Both Statement I and Statement II are incorrect [Option ID = 7274]
3. Statement I is correct but Statement II is incorrect [Option ID = 7275]
4. Statement I is incorrect but Statement II is correct [Option ID = 7276]

20) Given below are two statements

Statement I: Placentomes is the combination of maternal and foetal cotyledons in the placenta of bovines.

Statement II: Placentomes is a syndesmochorial type of placenta which occurs in bovine

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 1820][Question Description = 120_4_VESC_AUG22_Q20]

1. Both Statement I and Statement II are correct [Option ID = 7277]
2. Both Statement I and Statement II are incorrect [Option ID = 7278]
3. Statement I is correct but Statement II is incorrect [Option ID = 7279]
4. Statement I is incorrect but Statement II is correct [Option ID = 7280]

21) The stain Basic Fuchsin is an example of[Question ID = 1821][Question Description = 121_4_VESC_AUG22_Q21]

1. Differential stain [Option ID = 7281]
2. Negative stain [Option ID = 7282]
3. Impregnation stain [Option ID = 7283]
4. Simple stain [Option ID = 7284]

22) A secondary immune response[Question ID = 1822][Question Description = 122_4_VESC_AUG22_Q22]

1. Can be induced by a single dose of antigen [Option ID = 7285]
2. Occurs after several months [Option ID = 7286]
3. Has a very short lag period [Option ID = 7287]
4. Occurs only against microbial toxins [Option ID = 7288]

23) Morbilli viruses are a type of[Question ID = 1823][Question Description = 123_4_VESC_AUG22_Q23]

1. Single stranded, negative sense RNA viruses [Option ID = 7289]
2. Single stranded, positive sense RNA viruses [Option ID = 7290]
3. DNA viruses [Option ID = 7291]
4. Double-stranded RNA virus [Option ID = 7292]

24) Brucellergin test is an example of[Question ID = 1824][Question Description = 124_4_VESC_AUG22_Q24]

1. Type II hypersensitivity reaction [Option ID = 7293]
2. Type IV hypersensitivity reaction [Option ID = 7294]
3. Type I hypersensitivity reaction [Option ID = 7295]
4. Type III hypersensitivity reaction [Option ID = 7296]

25) The form of macrophage lining the sinuses of liver is[Question ID = 1825][Question Description = 125_4_VESC_AUG22_Q25]

1. Microglial cell [Option ID = 7297]
2. Histiocyte [Option ID = 7298]
3. Kupffer cell [Option ID = 7299]
4. Hepatocyte [Option ID = 7300]

26) The germinal centre of the lymph node mainly consists of

[Question ID = 1826][Question Description = 126_4_VESC_AUG22_Q26]

1. T cells [Option ID = 7301]
2. B cells [Option ID = 7302]
3. Plasma cells [Option ID = 7303]
4. Macrophages [Option ID = 7304]

27) *Clostridium perfringens* is responsible for causing

- A. Lamb dysentery
- B. Black leg
- C. Braxy
- D. Enterotoxemia

Choose the *correct* answer from the options given below:

[Question ID = 1827][Question Description = 127_4_VESC_AUG22_Q27]

1. A and C only [Option ID = 7305]
2. A and D only [Option ID = 7306]
3. A, B and C only [Option ID = 7307]
4. A, B, C and D [Option ID = 7308]

28) The innate pathways for the activation of complement system include

- A. Classical pathway
- B. Alternative pathway
- C. Lectin pathway
- D. TLR pathway

Choose the *correct* answer from the options given below:

[Question ID = 1828][Question Description = 128_4_VESC_AUG22_Q28]

1. A and B only [Option ID = 7309]
2. B and C only [Option ID = 7310]
3. A, B and C only [Option ID = 7311]
4. A, B and D only [Option ID = 7312]

29) Which of the following selective media may be utilized for the detection of Salmonella

- A. Xylose Lysine Deoxycholate Agar
- B. Hektoen Enteric Agar
- C. MacConkey agar
- D. Wilson and Blair Bismuth Sulphite Agar

Choose the *correct* answer from the options given below:

[Question ID = 1829][Question Description = 129_4_VESC_AUG22_Q29]

1. B only [Option ID = 7313]
2. A, B and D only [Option ID = 7314]
3. A and C only [Option ID = 7315]
4. A, C and D only [Option ID = 7316]

30) Among the following, the type of particulate adjuvants is/are

- A. Liposomes
- B. Alum
- C. Immune stimulating complexes (ISCOMs)
- D. Microparticles

Choose the *correct* answer from the options given below:

[Question ID = 1830][Question Description = 130_4_VESC_AUG22_Q30]

1. A only [Option ID = 7317]
2. A and B only [Option ID = 7318]
3. A, B and C only [Option ID = 7319]
4. A, C and D only [Option ID = 7320]

31) Match List I with List II

List I	List II
Virus family	Budding site for the newly formed virion
A. Poxviridae	I. Endoplasmic reticulum
B. Herpesviridae	II. Nuclear membrane
C. Rhabdoviridae	III. Golgi membrane
D. Coronaviridae	IV. Plasma membrane

Choose the correct answer from the options given below:

[Question ID = 1831][Question Description = 131_4_VESC_AUG22_Q31]

1. A -IV , B -III , C -I , D -II [Option ID = 7321]
2. A -III , B -IV , C -II , D -I [Option ID = 7322]
3. A -III , B -II , C -IV , D -I [Option ID = 7323]
4. A -II , B -III , C -I , D -IV [Option ID = 7324]

32) Match List I with List II

List I	List II
Graft	Description
A. Autograft	I. Grafts transplanted between two genetically identical individuals
B. Allograft	II. Grafts transplanted between animals of different species
C. Isograft	III. Grafts transplanted from one point to another of the same animal
D. Xenograft	IV. Grafts transplanted between genetically different members of same species

Choose the correct answer from the options given below:

[Question ID = 1832][Question Description = 132_4_VESC_AUG22_Q32]

1. A-IV, B -III, C-I , D-II [Option ID = 7325]
2. A-III, B-IV, C-I, D-II [Option ID = 7326]
3. A-I, B-II, C-III, D-IV [Option ID = 7327]
4. A-II, B-III, C-I, D-IV [Option ID = 7328]

33) Match List I with List II

List I	List II
Types of Microscopy	Application
A. Bright field	I. For observing the ultrastructural features of microorganisms
B. Dark field	II. For observing gross morphological features of microorganisms
C. Phase contrast	III. For observing some characteristic morphological feature in living state and in fluid suspension
D. Electron	IV. For observing the cellular structures in living cells of larger microorganisms

Choose the correct answer from the options given below:

[Question ID = 1833][Question Description = 133_4_VESC_AUG22_Q33]

1. A -IV, B -III , C -I , D -II [Option ID = 7329]
2. A -III, B -IV , C -I , D -II [Option ID = 7330]
3. A -I , B -II , C -III , D -IV [Option ID = 7331]
4. A -II , B -III , C -IV , D -I [Option ID = 7332]

34) Arrange the following heavy chain constant region genes of the immunoglobulin molecule from 5 prime to 3 prime in a correct order

- A. *IGHM*
- B. *IGHD*
- C. *IGHG*
- D. *IGHE*
- E. *IGHA*

Choose the *correct* answer from the options given below

[Question ID = 1834][Question Description = 134_4_VESC_AUG22_Q34]

1. A, B, C, D, E
[Option ID = 7333]
2. A, C, D, B, E
[Option ID = 7334]
3. A, D, E, C, B
[Option ID = 7335]
4. A, E, B, C, D
[Option ID = 7336]

35) Arrange the following structural layers of Gram negative bacterial cell from outside towards inside

- A. Outer membrane
- B. Peptidoglycan
- C. Capsule
- D. Cytoplasmic membrane

Choose the *correct* answer from the options given below

[Question ID = 1835][Question Description = 135_4_VESC_AUG22_Q35]

1. A, B, C, D [Option ID = 7337]
2. A, C, D, B [Option ID = 7338]
3. C, A, B, D [Option ID = 7339]
4. C, D, B, A [Option ID = 7340]

36) Arrange the events that occurs in one life cycle of lytic bacteriophage in a order

- A. Adsorption
- B. Injection of Phage DNA
- C. Releases of progeny phages

D. Production of phage components

E. Replication of the phage DNA

Choose the *correct* answer from the options given below

[Question ID = 1836][Question Description = 136_4_VESC_AUG22_Q36]

1. A, B, C, D, E [Option ID = 7341]
2. A, B, E, D, C [Option ID = 7342]
3. A, C, B, D, E [Option ID = 7343]
4. A, C, E, D, B [Option ID = 7344]

37) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : In a cell culture, the concentration of DI (Defective Interference) particles increases greatly with the serial passage at high multiplicity

Reason R : Their shortened genomes require less time to be replicated

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1837][Question Description = 137_4_VESC_AUG22_Q37]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7345]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7346]
3. A is true but R is false [Option ID = 7347]
4. A is false but R is true [Option ID = 7348]

38) Given below are two state

Statement I: The envelope spikes of all paramyxoviruses are composed of the fusion protein (F) and HN glycoproteins

Statement II: F is responsible for the fusion of the viral envelope with the plasma membrane of the host cell

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1838][Question Description = 138_4_VESC_AUG22_Q38]

1. Both Statement I and Statement II are true [Option ID = 7349]
2. Both Statement I and Statement II are false [Option ID = 7350]
3. Statement I is true and Statement II is false [Option ID = 7351]
4. Statement I is false and Statement II is true [Option ID = 7352]

39) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Mouse IgD is susceptible to destruction by protease in serum and hence, cannot be detected in serum

Reason R : Mouse IgD has got short hinge region and no inter chain disulfide bonds

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1839][Question Description = 139_4_VESC_AUG22_Q39]

1. Both A and R are true and R is the correct explanation of A
[Option ID = 7353]
2. Both A and R are true but R is NOT the correct explanation of A
[Option ID = 7354]
3. A is true but R is false
[Option ID = 7355]
4. A is false but R is true
[Option ID = 7356]

40) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : For diagnosis of dermatophytosis the clinical materials such as skin scrapings, hairs and nails can be observed under microscope by wet mount preparation with 5 % KOH

Reason R : The KOH acts as a clearing agent which digests the proteinaceous host cell debris and leaves the sugar containing fungal cell wall.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1840][Question Description = 140_4_VESC_AUG22_Q40]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 7357]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 7358]

3. A is true but R is false

[Option ID = 7359]

4. A is false but R is true

[Option ID = 7360]

41) Redia stage is absent in the life cycle of which of the following parasites

A. *Dicrocoelium dendriticum*

B. *Prosthogonimus ovatus*

C. *Chlonorchis sinensis*

D. *Schistosoma incognitum*

Choose the *correct* answer from the options given below:

[Question ID = 1841][Question Description = 141_4_VESC_AUG22_Q41]

1. A, B and C only [Option ID = 7361]

2. B, C and D only [Option ID = 7362]

3. A, B and D only [Option ID = 7363]

4. A and C only [Option ID = 7364]

42) Arrange the following trematodes on the basis of their size starting from the smallest to the largest

A. *Fasciola hepatica*

B. *Heterophyes heterophyes*

C. *Opisthorchis tenuicollis*

D. *Notocotylus attenuates*

E. *Clonorchis sinensis*

Choose the *correct* answer from the options given below

[Question ID = 1842][Question Description = 142_4_VESC_AUG22_Q42]

1. B, E, C, D, A [Option ID = 7365]

2. D, C, B, A, E [Option ID = 7366]

3. D, B, E, C, A [Option ID = 7367]

4. B, D, C, E, A [Option ID = 7368]

43) Match List I with List II

List I	List II
(Parasite)	(Intermediate host)
A. <i>Avitellina centripunctata</i>	I. Beetels
B. <i>Raillietina cesticillus</i>	II. Earthworms
C. <i>Davainea proglottina</i>	III. Psocids
D. <i>Amoebotaenia cuneata</i>	IV. Gastropod molluscs

Choose the correct answer from the options given below:

[Question ID = 1843][Question Description = 143_4_VESC_AUG22_Q43]

1. A - II, B - III, C - IV, D - I [Option ID = 7369]

2. A - III, B - I, C - IV, D - II [Option ID = 7370]

3. A - II, B - I, C - III, D - IV [Option ID = 7371]

4. A - IV, B - III, C - I, D - II [Option ID = 7372]

44) Cutaneous larva migrans is caused by the larvae of

A. *Ancylostoma braziliense*

B. *Bunostomum phlebotomum*

C. *Capillaria hepatica*

D. *Gnathostoma* spp.

Choose the *correct* answer from the options given below:

[Question ID = 1844][Question Description = 144_4_VESC_AUG22_Q44]

1. A, B and C only [Option ID = 7373]
2. A, B and D only [Option ID = 7374]
3. C and D only [Option ID = 7375]
4. A, C and D only [Option ID = 7376]

45) '*Pilobolus*' fungus helps in the translation of which of the following lungworms to herbage[Question ID = 1845]

[Question Description = 145_4_VESC_AUG22_Q45]

1. *Muellerius capillaris* [Option ID = 7377]
2. *Dictyocaulus viviparus* [Option ID = 7378]
3. *Metastrongylus* spp. [Option ID = 7379]
4. *Protostrongylus* spp. [Option ID = 7380]

46) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : *Oesophagostomum columbinum* is a serious pathogen of sheep and 200-300 adult worms can cause a severe disease.

Reason R : Adult worms are voracious blood suckers and cause severe anaemia.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1846][Question Description = 146_4_VESC_AUG22_Q46]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7381]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7382]
3. A is true but R is false [Option ID = 7383]
4. A is false but R is true [Option ID = 7384]

47) Tumour like growth and occasionally ulceration in the stomach of equines is caused by the larvae of[Question ID = 1847][Question Description = 147_4_VESC_AUG22_Q47]

1. Stable Fly [Option ID = 7385]
2. *Gasterophilus* spp. [Option ID = 7386]
3. *Oestrus ovis* [Option ID = 7387]
4. *Hypoderma* spp. [Option ID = 7388]

48) *Borrelia anserina*, the causative agent of fowl spirochaetosis, is transmitted by

A. *Menopon gallinae*

B. *Echidnophaga gallinacea*

C. *Argas persicus*

D. *Dermanyssus gallinae*

Choose the *correct* answer from the options given below:

[Question ID = 1848][Question Description = 148_4_VESC_AUG22_Q48]

1. A, B and D only [Option ID = 7389]
2. B and D only [Option ID = 7390]
3. B, C and D only [Option ID = 7391]
4. C and D only [Option ID = 7392]

49) Match List I with List II

List I	List II
(Arthropod)	(Parasite/ Disease transmitted)
A. <i>Hyalomma anatolicum anatolicum</i>	I. <i>Babesia bigemina</i>
B. <i>Rhipicephalus microplus</i>	II. <i>Theileria equi</i>
C. <i>Haemaphysalis spinigera</i>	III. Bovine Tropical Theileriosis
D. <i>Rhipicephalus appendiculatus</i>	IV. Kyasanur Forest Disease

Choose the correct answer from the options given below:

[Question ID = 1849][Question Description = 149_4_VESC_AUG22_Q49]

1. A - III, B - I, C - IV, D - II [Option ID = 7393]
2. A - II, B - I, C - III, D - IV [Option ID = 7394]
3. A - III, B - I, C - II, D - IV [Option ID = 7395]
4. A - II, B - III, C - IV, D - I [Option ID = 7396]

50) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : One of the major clinical signs in trypanosomosis is progressive anaemia

Reason R : Anaemia occurs due to depression in erythropoiesis, erythrophagocytosis, lysis of RBCs due to hemolysins produced by trypanosomes, hemodilution, disseminated intravascular coagulopathy and mechanical destruction of RBCs due to lashing movement of trypanosomes

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1850][Question Description = 150_4_VESC_AUG22_Q50]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7397]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7398]
3. A is true but R is false [Option ID = 7399]
4. A is false but R is true [Option ID = 7400]

51) Deficiency of fat-soluble vitamins occurs in[Question ID = 1851][Question Description = 151_4_VESC_AUG22_Q51]

1. Amoebiasis [Option ID = 7401]
2. Giardiasis [Option ID = 7402]
3. Cryptosporidiosis [Option ID = 7403]
4. Balantidiosis [Option ID = 7404]

52) Which of the following are source of infection of *Toxoplasma*

- A. Blood transfusion
- B. Organ transplant
- C. Green vegetables
- D. Arthropods

Choose the *correct* answer from the options given below:

[Question ID = 1852][Question Description = 152_4_VESC_AUG22_Q52]

1. A, B and D only [Option ID = 7405]
2. B, C and D only [Option ID = 7406]
3. A, B and C only [Option ID = 7407]
4. C and D only [Option ID = 7408]

53) Given below are two statements

Statement I: Heavy infection of *Eimeria bovis* causes bloody diarrhoea in calves below 1 month of age

Statement II: Gamonts are the most pathogenic stage in the life cycle of *Eimeria bovis*

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1853][Question Description = 153_4_VESC_AUG22_Q53]

1. Both Statement I and Statement II are true [Option ID = 7409]
2. Both Statement I and Statement II are false [Option ID = 7410]
3. Statement I is true but Statement II is false [Option ID = 7411]
4. Statement I is false but Statement II is true [Option ID = 7412]

54) Arrange the following stages in sequential order of their development during the life cycle of *Plasmodium gallinaeum* in domestic fowl

- A. Phanerozoites
- B. Metacryptozoites
- C. Cryptozoites
- D. Gametocytes

Choose the *correct* answer from the options given below

[Question ID = 1854][Question Description = 154_4_VESC_AUG22_Q54]

1. A, B, C, D [Option ID = 7413]
2. C, B, A, D [Option ID = 7414]
3. C, B, D, A [Option ID = 7415]
4. A, C, B, D [Option ID = 7416]

55) Given below are two statements

Statement I: *Theileria equi* is more pathogenic than *Babesia caballi* in equines

Statement II: Besides high rise in temperature and anaemia, gastroenteritis, nervous signs and posterior paresis are commonly seen in *T. equi* infected horses

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1855][Question Description = 155_4_VESC_AUG22_Q55]

1. Both Statement I and Statement II are true [Option ID = 7417]
2. Both Statement I and Statement II are false [Option ID = 7418]
3. Statement I is true but Statement II is false [Option ID = 7419]
4. Statement I is false but Statement II is true [Option ID = 7420]

56) An anticoccidial that may be effective against bovine tropical theileriosis is[Question ID = 1856][Question Description = 156_4_VESC_AUG22_Q56]

1. Amprolium [Option ID = 7421]
2. Salinomycin [Option ID = 7422]
3. Halofuginone [Option ID = 7423]
4. Monensin [Option ID = 7424]

57) Nutmeg liver occurs in[Question ID = 1857][Question Description = 157_4_VESC_AUG22_Q57]

1. Cirrhosis [Option ID = 7425]
2. Infarction [Option ID = 7426]
3. Amyloidosis [Option ID = 7427]
4. Chronic venous congestion [Option ID = 7428]

58) Marbled appearance of lung paranchyma separated by thick yellowish interlobular septa is observed in[Question ID = 1858][Question Description = 158_4_VESC_AUG22_Q58]

1. Haemorrhagic septicemia [Option ID = 7429]
2. Contagious Bovine Pleuropneumonia [Option ID = 7430]
3. Tuberculosis [Option ID = 7431]
4. Rhinosporidiosis [Option ID = 7432]

59) Which of the following events are critical in development of irreversible cell injury

- A. Loss of membrane integrity
- B. Loss of mitochondrial function
- C. Lipid accumulation
- D. Calcium influx

Choose the *correct* answer from the options given below:

[Question ID = 1859][Question Description = 159_4_VESC_AUG22_Q59]

1. A, B and D only
[Option ID = 7433]
2. A, B and C only
[Option ID = 7434]
3. B, C, and D only
[Option ID = 7435]
4. A and C only
[Option ID = 7436]

60) Match List I with List II

List I	List II
A. Vitamin D intoxication	I. Squamous metaplasia
B. Avitaminosis A	II. Photosensitization
C. Rubber jaw	III. Metastatic calcification
D. Lantana poisoning	IV. Osteodystrophia fibrosa

Choose the correct answer from the options given below:

[Question ID = 1860][Question Description = 160_4_VESC_AUG22_Q60]

1. A - II, B - I, C - IV, D - III [Option ID = 7437]
2. A - III, B - I, C - IV, D - II [Option ID = 7438]
3. A - I, B - III, C - II, D - IV [Option ID = 7439]
4. A - III, B - IV, C - I, D - II [Option ID = 7440]

61) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Adrenaline should not be used to treat hypotension caused by phenothiazine derivatives

Reason R : Phenothiazine derivatives cause alpha adrenergic blockade

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1861][Question Description = 161_4_VESC_AUG22_Q61]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7441]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7442]
3. A is true but R is false [Option ID = 7443]
4. A is false but R is true [Option ID = 7444]

62) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Cattle are less prone to caecal dilatation and torsion as compared to buffaloes

Reason R : Free end of the caecum is devoid of mesentry in cattle

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1862][Question Description = 162_4_VESC_AUG22_Q62]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7445]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7446]
3. A is true but R is false [Option ID = 7447]
4. A is false but R is true [Option ID = 7448]

63) Parker-ker suture technique is used in [Question ID = 1863][Question Description = 163_4_VESC_AUG22_Q63]

1. Nerve anastomosis [Option ID = 7449]
2. Intestinal anastomosis [Option ID = 7450]
3. Tendon suturing [Option ID = 7451]
4. Cystorrhaphy [Option ID = 7452]

64) X- rays were discovered in year

[Question ID = 1864][Question Description = 164_4_VESC_AUG22_Q64]

1. 1895 [Option ID = 7453]
2. 1885 [Option ID = 7454]
3. 1985 [Option ID = 7455]
4. 1905 [Option ID = 7456]

65) The spinal nerves blocked in paravertebral anaesthesia in cattle are

A. T11

B. T12

C. T13

D. L1

E. L2

Choose the *correct* answer from the options given below:

[Question ID = 1865][Question Description = 165_4_VESC_AUG22_Q65]

1. A, B and D only [Option ID = 7457]
2. C, D and E only [Option ID = 7458]
3. A, B and C only [Option ID = 7459]
4. B, C and D only [Option ID = 7460]

66) Bulla osteotomy is indicated for providing drainage to

[Question ID = 1866][Question Description = 166_4_VESC_AUG22_Q66]

1. Guttural pouch
[Option ID = 7461]
2. External ear
[Option ID = 7462]
3. Middle ear
[Option ID = 7463]
4. Internal ear

[Option ID = 7464]

67) Sequential order of the steps of radiographic film processing is

- A. Fixing
- B. Drying
- C. Developing
- D. Rinsing
- E. Washing

Choose the *correct* answer from the options given below

[Question ID = 1867][Question Description = 167_4_VESC_AUG22_Q67]

1. A, B, C, D, E [Option ID = 7465]
2. C, D, A, E, B [Option ID = 7466]
3. B, A, D, C, E [Option ID = 7467]
4. E, D, C, B, A [Option ID = 7468]

68) Match List I with List II

List I	List II
A. Dissociative anaesthetic	I. Chlorhexidine
B. Antiseptic	II. Phencyclidine
C. Barbiturate	III. Thiamylal
D. Benzodiazepine derivative	IV. Midazolam
	V. Naloxone

Choose the correct answer from the options given below:

[Question ID = 1868][Question Description = 168_4_VESC_AUG22_Q68]

1. A - II, B - I, C - III, D - IV [Option ID = 7469]
2. A - I, B - II, C - III, D - IV [Option ID = 7470]
3. A - II, B - I, C - IV, D - V [Option ID = 7471]
4. A - V, B - IV, C - I, D - II [Option ID = 7472]

69) Match List I with List II

List I	List II
A. Otitis externa	I. Excessive flow of tears
B. Epiphora	II. Drooping of eyelids
C. Corneal ulcer	III. Membranoplasty
D. Ptosis	IV. Zepp's operation
	V. Bulla osteotomy

Choose the correct answer from the options given below:

[Question ID = 1869][Question Description = 169_4_VESC_AUG22_Q69]

1. A - II, B - I, C - III, D - IV
[Option ID = 7473]
2. A - V, B - III, C - I, D - IV
[Option ID = 7474]
3. A - IV, B - I, C - III, D - II
[Option ID = 7475]
4. A - II, B - IV, C - III, D - I
[Option ID = 7476]

70) Correct sequential order of stages of fracture healing is

- A. Cellular Proliferation
- B. Haematoma formation
- C. Consolidation
- D. Callus formation
- E. Remodeling

Choose the *correct* answer from the options given below

[Question ID = 1870][Question Description = 170_4_VESC_AUG22_Q70]

1. A, B, C, D, E [Option ID = 7477]
2. B, A, D, C, E [Option ID = 7478]
3. D, C, A, B, E [Option ID = 7479]
4. B, C, A, D, E [Option ID = 7480]

71) Which nerve blocks are indicated for ocular surgery

- A. Auriculopalpebral Nerve block
- B. Peterson Nerve block
- C. Infraorbital Nerve block
- D. Supraorbital Nerve block
- E. Retrobulbar Nerve block

Choose the *correct* answer from the options given below:

[Question ID = 1871][Question Description = 171_4_VESC_AUG22_Q71]

1. A, B and D only [Option ID = 7481]
2. A, B, D and E only [Option ID = 7482]
3. C, D and E only [Option ID = 7483]
4. A, C and D only [Option ID = 7484]

72) Inflammation of the outermost layer of the uterus is called as [Question ID = 1872][Question Description = 172_4_VESC_AUG22_Q72]

1. Endometritis [Option ID = 7485]
2. Perimetritis [Option ID = 7486]
3. Parametritis [Option ID = 7487]
4. Metritis [Option ID = 7488]

73) Which of the following hormone can be used for superovulation in cattle

- A. FSH
- B. PMSG
- C. GnRH
- D. Progesterone
- E. Estrogen

Choose the *correct* answer from the options given below:

[Question ID = 1873][Question Description = 173_4_VESC_AUG22_Q73]

1. A, B and C only [Option ID = 7489]
2. A, B and D only [Option ID = 7490]
3. C and D only [Option ID = 7491]
4. A and B only [Option ID = 7492]

74) Inter-oestrous length of 30-35 days in bovine is an indication of [Question ID = 1874][Question Description = 174_4_VESC_AUG22_Q74]

1. Delayed ovulation [Option ID = 7493]
2. 3rd degree endometritis [Option ID = 7494]
3. Early embryonic mortality [Option ID = 7495]
4. Fertilization failure [Option ID = 7496]

75) Which of the following is a definite sign of oestrous in bovines? [Question ID = 1875][Question Description = 175_4_VESC_AUG22_Q75]

1. Restlessness [Option ID = 7497]
2. Frequent urination [Option ID = 7498]
3. Mounting on other cows [Option ID = 7499]
4. Standing to be mounted [Option ID = 7500]

76) Match List I with List II

List I	List II
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A. Detection of free estrogen	I. P.S.P. dye test
B. Tubal Patency	II. Cuboni test
C. Trichomoniasis	III. Bartlett test
D. Endometritis	IV. R.B.P test
	V. White side test

Choose the correct answer from the options given below:

[Question ID = 1876][Question Description = 176_4_VESC_AUG22_Q76]

1. A -II , B -I , C -III , D -V [Option ID = 7501]
2. A - I , B -III , C -II , D -IV [Option ID = 7502]
3. A -I , B -II , C -III , D -IV [Option ID = 7503]
4. A -I , B -II , C -III , D -V [Option ID = 7504]

77) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Hydramnios is gradual progressive accumulation of fluid in amniotic sac

Reason R : Hypertrophy of endometrial glands leads to increased secretion of viscid and transparent fluid in the uterine lumen

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1877][Question Description = 177_4_VESC_AUG22_Q77]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7505]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7506]
3. A is true but R is false [Option ID = 7507]
4. A is false but R is true [Option ID = 7508]

78) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : 24-48 hours of preanaesthetic fasting is recommended in large ruminants

Reason R : Fasting in ruminants increases the volume of saliva and more chances of regurgitation

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1878][Question Description = 178_4_VESC_AUG22_Q78]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7509]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7510]
3. A is true but R is false [Option ID = 7511]
4. A is false but R is true [Option ID = 7512]

79) What should be the correct order of administration (earlier to later) of following anaesthetic drugs in a balanced anaesthetic protocol for dogs

- A. Propofol
- B. Isoflurane
- C. Atropine sulphate
- D. Acepromazine

[Question ID = 1879][Question Description = 179_4_VESC_AUG22_Q79]

1. A, B, C, D [Option ID = 7513]
2. A, D, A, B [Option ID = 7514]
3. C, D, A, B [Option ID = 7515]
4. A, D, B, C [Option ID = 7516]

80) Which of the following are the examples of amide linked local anaesthetic?

- A. Tetracaine
- B. Lidocaine
- C. Bupivacaine
- D. Hexacaine
- E. Mepivacaine

Choose the *correct* answer from the options given below:

[Question ID = 1880][Question Description = 180_4_VESC_AUG22_Q80]

1. A, B and D only [Option ID = 7517]
2. B, C and E only [Option ID = 7518]
3. A and D only [Option ID = 7519]
4. C and E only [Option ID = 7520]

81) Primary contraction cycle of bovine start with

[Question ID = 1881][Question Description = 181_4_VESC_AUG22_Q81]

1. Monophasic contraction of rumen [Option ID = 7521]
2. Monophasic contraction of reticulum [Option ID = 7522]
3. Biphasic contraction of rumen [Option ID = 7523]
4. Biphasic contraction of reticulum [Option ID = 7524]

82) Strength of Isotonic sodium bicarbonate is

[Question ID = 1882][Question Description = 182_4_VESC_AUG22_Q82]

1. 1% [Option ID = 7525]
2. 1.3% [Option ID = 7526]
3. 2.5% [Option ID = 7527]
4. 5% [Option ID = 7528]

83) Characteristic ping sound on simultaneous auscultation and percussion in LDA can be heard over[Question ID = 1883]

[Question Description = 183_4_VESC_AUG22_Q83]

1. Upper third of 9th-12th ribs of left abdominal wall [Option ID = 7529]
2. Lower third of 9th-12th ribs of left abdominal wall [Option ID = 7530]
3. Upper third of 9th-12th ribs of right abdominal wall [Option ID = 7531]
4. Lower third of 9th-12th ribs of right abdominal wall [Option ID = 7532]

84) Blitz Therapy is used for[Question ID = 1884][Question Description = 184_4_VESC_AUG22_Q84]

1. Listeriosis [Option ID = 7533]
2. Encephalitis [Option ID = 7534]
3. Mastitis [Option ID = 7535]
4. Coccidiosis [Option ID = 7536]

85) Smallest spatial unit providing uniform conditions for life is known as

[Question ID = 1885][Question Description = 185_4_VESC_AUG22_Q85]

1. Biotype [Option ID = 7537]
2. Biocenosis [Option ID = 7538]
3. Biome [Option ID = 7539]
4. Biocide [Option ID = 7540]

86) "Pipe stem" feces in cattle is caused by[Question ID = 1886][Question Description = 186_4_VESC_AUG22_Q86]

1. *Babesia bigemina* [Option ID = 7541]
2. *Babesia bovis* [Option ID = 7542]
3. *Babesia major* [Option ID = 7543]
4. *Babesia divergens* [Option ID = 7544]

87) Fourth heart sound is audible in

A. Young cattle

B. Pigs

C. Equines

D. Sheep

Choose the *correct* answer from the options given below:

[Question ID = 1887][Question Description = 187_4_VESC_AUG22_Q87]

1. A and B only [Option ID = 7545]
2. A and C only [Option ID = 7546]
3. B and C only [Option ID = 7547]
4. A, C and D only [Option ID = 7548]

88) Cystitis is clinically characterized by

A. Scant and frequent urination

B. Prolonged urination posture

C. Pain

D. High rise of body temperature

Choose the *correct* answer from the options given below:

[Question ID = 1888][Question Description = 188_4_VESC_AUG22_Q88]

1. A and B only [Option ID = 7549]
2. A, B and D only [Option ID = 7550]
3. B, C and D only [Option ID = 7551]
4. A, B and C only [Option ID = 7552]

89) The dose rate of Amprolium for treatment of coccidiosis in calves is

A. 10 mg/kg body weight for 5 days

B. 65 mg/kg body weight once

C. 30 mg/kg body weight for 14 days

D. 100 mg/kg body weight once

Choose the *correct* answer from the options given below:

[Question ID = 1889][Question Description = 189_4_VESC_AUG22_Q89]

1. A and D only
[Option ID = 7553]
2. C and D only
[Option ID = 7554]
3. A and C only
[Option ID = 7555]
4. A and B only
[Option ID = 7556]

90) Which of the following hold true for testing of positive reactor of tuberculosis by Single Intradermal test

A. Caudal fold at base of tail gives higher specificity

B. Cervical fold gives higher sensitivity

C. Measuring the reaction at 48-72 hours gives maximum sensitivity

D. Measuring the reaction at 96 hours gives maximum specificity

E. The site of injection and time of measurement of the reaction does not effect the sensitivity and specificity

Choose the *correct* answer from the options given below:

[Question ID = 1890][Question Description = 190_4_VESC_AUG22_Q90]

1. A and B only [Option ID = 7557]
2. E only [Option ID = 7558]
3. C and D only [Option ID = 7559]
4. A, B, C and D only [Option ID = 7560]

91) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: In case of choke, the horse commonly regurgitate feed and water through nostrils

Reason R: This is due to anatomic characteristics of soft palate in equids

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1891][Question Description = 191_4_VESC_AUG22_Q91]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7561]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7562]
3. A is false but R is true [Option ID = 7563]
4. Both A and R are false [Option ID = 7564]

92) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: The bottle jaw condition is seen in fasciolosis

Reason R: Hypokalemia leads to fluid accumulation

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1892][Question Description = 192_4_VESC_AUG22_Q92]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7565]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7566]
3. A is false but R is true [Option ID = 7567]
4. A is true but R is false [Option ID = 7568]

93) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Measurement of plasma or serum potassium is not a reliable indicator of body potassium status

Reason R: Potassium being intracellular cation, estimation of potassium in RBCs gives better reflection of body potassium status

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1893][Question Description = 193_4_VESC_AUG22_Q93]

1. Both A and R are true and R is the correct explanation of A
[Option ID = 7569]
2. Both A and R are true but R is NOT the correct explanation of A
[Option ID = 7570]
3. A is false but R is true
[Option ID = 7571]
4. A is true but R is false
[Option ID = 7572]

94) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Endotoxaemia leads to acute and severe neutropenia

Reason R: Leukocyte migration and sequestration causes neutropenia

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1894][Question Description = 194_4_VESC_AUG22_Q94]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7573]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7574]
3. A is false but R is true [Option ID = 7575]
4. A is true but R is false [Option ID = 7576]

95) Match List I with List II

List I	List II
A. Machinery murmur	I. <i>E. coli</i>
B. Guttural pouch empyema	II. Myoglobinuria
C. Edema disease in pig	III. Chondroids
D. Tying up	IV. Patent ductus arteriosus

Choose the correct answer from the options given below:

[Question ID = 1895][Question Description = 195_4_VESC_AUG22_Q95]

1. A - II , B - III, C - IV , D - I [Option ID = 7577]
2. A - IV, B - III , C - I, D - II [Option ID = 7578]
3. A - IV, B - I , C - III, D - II [Option ID = 7579]
4. A - II , B - I , C - III, D - IV [Option ID = 7580]

96) Match List I with List II

List I	List II
A. Dry cow therapy	I. <i>Babesia bigemina</i>
B. Red Water Disease	II. <i>Theileria parva</i>
C. Turning sickness	III. Anthrax
D. Ragpicker disease	IV. Mastitis

Choose the correct answer from the options given below:

[Question ID = 1896][Question Description = 196_4_VESC_AUG22_Q96]

1. A - IV, B - I, C - II , D - III

[Option ID = 7581]

2. A - IV , B - III, C - II , D - I

[Option ID = 7582]

3. A - II, B - III, C - I, D - IV

[Option ID = 7583]

4. A - III , B - I , C - II , D - IV

[Option ID = 7584]

97) Match List I with List II

List I	List II
A. Sigurdsson vaccine	I. Downer cow syndrome
B. Big knee	II. Rat flea
C. Spread eagling	III. Johne's disease
D. Black death	IV. Caprine arthritis encephalitis

Choose the correct answer from the options given below:

[Question ID = 1897][Question Description = 197_4_VESC_AUG22_Q97]

1. A - IV, B - III , C - I, D - II

[Option ID = 7585]

2. A - III, B - IV, C - I, D - II

[Option ID = 7586]

3. A - III, B - IV, C - I, D - II

[Option ID = 7587]

4. A - II , B - IV, C - I, D - III

[Option ID = 7588]

98) Arrange the etiology of Talfan disease, Lyme disease, Blight and Nairobi disease in correct order

A. *Borrelia burgdorferi*

B. *Porcine enterovirus*

C. *Bunya virus*

D. *Morexella bovis*

Choose the *correct* answer from the options given below

[Question ID = 1898][Question Description = 198_4_VESC_AUG22_Q98]

1. B, A, D, C [Option ID = 7589]

2. C, A, B, D [Option ID = 7590]

3. B, D, A, C [Option ID = 7591]

4. D, C, A, B [Option ID = 7592]

99) Arrange the Type I, Type II, Type III and Type IV hypersensitivity reaction in the order of the immune responses/reactions they elicits

A. Immediate hypersensitivity

B. Arthus type reaction

C. Cell mediated hypersensitivity

D. Auto-immune reaction

Choose the *correct* answer from the options given below

[Question ID = 1899][Question Description = 199_4_VESC_AUG22_Q99]

1. A, C, D, B [Option ID = 7593]

2. A, C, B, D [Option ID = 7594]

3. A, B, C, D [Option ID = 7595]

4. A, D, C, B [Option ID = 7596]

100) Arrange the dose of opiate analgesics namely Butorphanol, Meperidine, Pentazocine and Morphine sulphate used in treatment of equine colic in the correct sequence

A. 0.025-0.1 mg/kg IV

- B. 0.2 - 2.0 mg/kg IV
- C. 0.5-1.0 mg/kg IV
- D. 0.05-0.01 mg/kg IV

Choose the *correct* answer from the options given below

[Question ID = 1900][Question Description = 200_4_VESC_AUG22_Q100]

1. A, B, C, D [Option ID = 7597]
2. A, C, B, D [Option ID = 7598]
3. B, A, C, D [Option ID = 7599]
4. D, C, A, B [Option ID = 7600]

101) The word 'Drug', originated from a word 'Droque' (a dry herb) that belongs to which of the following languages

[Question ID = 1901][Question Description = 201_4_VESC_AUG22_Q101]

1. German [Option ID = 7601]
2. French [Option ID = 7602]
3. English [Option ID = 7603]
4. Spanish [Option ID = 7604]

102) The process in which the drug diffuses across the membrane in the direction of its concentration gradient and the membrane plays no active role in the process, is called

[Question ID = 1902][Question Description = 202_4_VESC_AUG22_Q102]

1. Active transport [Option ID = 7605]
2. Facilitated diffusion [Option ID = 7606]
3. Passive diffusion [Option ID = 7607]
4. Specialized transport [Option ID = 7608]

103) The rate and extent of absorption of a drug from a dosage form as determined by its concentration-time curve in blood or by its excretion in urine is referred as

[Question ID = 1903][Question Description = 203_4_VESC_AUG22_Q103]

1. Bioequivalence [Option ID = 7609]
2. Distribution [Option ID = 7610]
3. Redistribution [Option ID = 7611]
4. Bioavailability [Option ID = 7612]

104) Synthetic/phase-II reactions involve[Question ID = 1904][Question Description = 204_4_VESC_AUG22_Q104]

1. Oxidation [Option ID = 7613]
2. Reduction [Option ID = 7614]
3. Hydrolysis [Option ID = 7615]
4. Glucuronide conjugation [Option ID = 7616]

105) Given below are two statements

Statement I: Reaginic antibodies (IgE) are usually get fixed to the mast cells.

Statement II: These antibodies are associated with the Type-I (anaphylactic) reaction in the body.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1905][Question Description = 205_4_VESC_AUG22_Q105]

1. Both Statement I and Statement II are true [Option ID = 7617]
2. Both Statement I and Statement II are false [Option ID = 7618]
3. Statement I is true but Statement II is false [Option ID = 7619]
4. Statement I is false but Statement II is true [Option ID = 7620]

106) Which of the following agent(s) is/are insecticide in nature ?

- A. Malathion
- B. DDT
- C. Deltamethrin
- D. Paraquat

Choose the *correct* answer from the options given below:

[Question ID = 1906][Question Description = 206_4_VESC_AUG22_Q106]

1. A, B and D only [Option ID = 7621]
2. C and D only [Option ID = 7622]
3. D only [Option ID = 7623]
4. A, B and C only [Option ID = 7624]

107) Oral LD₅₀ (mg/kg) of malathion in buffaloes is[Question ID = 1907][Question Description = 207_4_VESC_AUG22_Q107]

1. 100 [Option ID = 7625]
2. 200 [Option ID = 7626]
3. 10 [Option ID = 7627]
4. 55 [Option ID = 7628]

108) Which of the following is/are organic herbicide(s) ?

- A. 2, 4-D
- B. 2, 4, 5-T
- C. Atrazine
- D. Sodium arsenite

Choose the *correct* answer from the options given below:

[Question ID = 1908][Question Description = 208_4_VESC_AUG22_Q108]

1. A, B and D only [Option ID = 7629]
2. B, C and D only [Option ID = 7630]
3. A, B and C only [Option ID = 7631]
4. D only [Option ID = 7632]

109) Which of the following is/are cyanogenic plant(s) ?

- A. *Prunus amygdalus*
- B. *Zea mays*
- C. *Sorghum halepense*
- D. *Beta vulgaris*

Choose the *correct* answer from the options given below:

[Question ID = 1909][Question Description = 209_4_VESC_AUG22_Q109]

1. A, B and D only
[Option ID = 7633]
2. A, B and C only
[Option ID = 7634]
3. B and D only
[Option ID = 7635]
4. D only
[Option ID = 7636]

110) Neurolathyrism is associated with

- A. *Lathyrus sativus*
- B. *Pteridium aquilinum*
- C. *Beta vulgaris*
- D. *Oxalis pescaprae*

Choose the *correct* answer from the options given below:

[Question ID = 1910][Question Description = 210_4_VESC_AUG22_Q110]

1. A, B and D only [Option ID = 7637]
2. C and D only [Option ID = 7638]
3. A only [Option ID = 7639]
4. D only [Option ID = 7640]

111) Match List I with List II

List I	List II
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A. Griseofulvin	I. Erythromycin
B. Primarily bacteriostatic	II. <i>Penicillin cephalosporin</i>
C. Primarily bactericidal	III. Ciprofloxacin
D. Inhibit DNA gyrase	IV. Vancomycin

Choose the correct answer from the options given below:

[Question ID = 1911][Question Description = 211_4_VESC_AUG22_Q111]

1. A - II, B - I, C - IV, D - III [Option ID = 7641]
2. A - III, B - II, C - IV, D - I [Option ID = 7642]
3. A - IV, B - III, C - II, D - I [Option ID = 7643]
4. A - I, B - II, C - III, D - IV [Option ID = 7644]

112) Match List I with List II

List I	List II
A. Cotrimoxazole	I. Nalidixic acid
B. Silver sulfadiazine	II. Sulfadoxine
C. Long acting sulfonamide	III. Used topically as 1% cream
D. Quinolones	IV. Trimethoprim and sulfamethoxazole

Choose the correct answer from the options given below:

[Question ID = 1912][Question Description = 212_4_VESC_AUG22_Q112]

1. A - II, B - I, C - III, D - IV [Option ID = 7645]
2. A - IV, B - III, C - II, D - I [Option ID = 7646]
3. A - III, B - II, C - I, D - IV [Option ID = 7647]
4. A - I, B - III, C - IV, D - II [Option ID = 7648]

113) Match List I with List II

List I	List II
A. Acid-resistant alternative to penicillin	I. Methicillin
B. Penicillinase-resistant penicillin	II. Penicillin V
C. Extended spectrum penicillin	III. Tazobactam
D. β -lactamase inhibitor	IV. Ampicillin

Choose the correct answer from the options given below:

[Question ID = 1913][Question Description = 213_4_VESC_AUG22_Q113]

1. A - II, B - I, C - IV, D - III [Option ID = 7649]
2. A - IV, B - III, C - II, D - I [Option ID = 7650]
3. A - III, B - IV, C - II, D - I [Option ID = 7651]
4. A - IV, B - II, C - III, D - I [Option ID = 7652]

114) Given below are two statements

Statement I: Metoprolol is a β -adrenergic receptor blocker.

Statement II: Nifedipine is a potassium channel opener.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1914][Question Description = 214_4_VESC_AUG22_Q114]

1. Both Statement I and Statement II are true [Option ID = 7653]
2. Both Statement I and Statement II are false [Option ID = 7654]
3. Statement I is true but Statement II is false [Option ID = 7655]
4. Statement I is false but Statement II is true [Option ID = 7656]

115) Given below are two statements

Statement I: Verapamil is phenyl alkylamine in chemical nature.

Statement II: Nifedipine is dihydropyridine in chemical nature.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1915][Question Description = 215_4_VESC_AUG22_Q115]

1. Both Statement I and Statement II are true [Option ID = 7657]
2. Both Statement I and Statement II are false [Option ID = 7658]
3. Statement I is true but Statement II is false [Option ID = 7659]
4. Statement I is false but Statement II is true [Option ID = 7660]

116) Given below are two statements

Statement I: Strychnine is not a convulsant.

Statement II: Doxapram is an analeptic agent.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1916][Question Description = 216_4_VESC_AUG22_Q116]

1. Both Statement I and Statement II are true [Option ID = 7661]
2. Both Statement I and Statement II are false [Option ID = 7662]
3. Statement I is true but Statement II is false [Option ID = 7663]
4. Statement I is false but Statement II is true [Option ID = 7664]

117) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Tricyclic antidepressants (TCAs) and related drugs inhibit NET and SERT.

Reason R : NET and SERT mediate active reuptake of biogenic amines NA and 5-HT into their respective neurones and thus potentiate TCAs.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1917][Question Description = 217_4_VESC_AUG22_Q117]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7665]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7666]
3. A is true but R is false [Option ID = 7667]
4. A is false but R is true [Option ID = 7668]

118) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Primidone is a deoxybarbiturate which is converted by liver to phenobarbitone and phenylethyl malonamide.

Reason R : Its antiepileptic activity is mainly due to these active metabolites because half life of primidone is more than that of its active metabolites.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1918][Question Description = 218_4_VESC_AUG22_Q118]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7669]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7670]
3. A is true but R is false [Option ID = 7671]
4. A is false but R is true [Option ID = 7672]

119) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : Many bacteria are inherently insensitive to penicillin-G

Reason R : In such bacteria, the target enzymes and PBPs are located deeper under lipoprotein barrier where penicillin-G is unable to penetrate or have low affinity for penicillin-G

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1919][Question Description = 219_4_VESC_AUG22_Q119]

1. Both A and R are true and R is the correct explanation of A [Option ID = 7673]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 7674]
3. A is true but R is false [Option ID = 7675]
4. A is false but R is true [Option ID = 7676]

120) Given below are two statements

Statement I : Antimotility opioid drugs afford only symptomatic relief in diarrhoea.

Statement II : The major action of those drugs appears to be mediated through α -adrenoceptors located on enteric neuronal network.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 1920][Question Description = 220_4_VESC_AUG22_Q120]

1. Both Statement I and Statement II are true [Option ID = 7677]
2. Both Statement I and Statement II are false [Option ID = 7678]
3. Statement I is true but Statement II is false [Option ID = 7679]
4. Statement I is false but Statement II is true [Option ID = 7680]

