ICAR AIEEA PG

QUESTION PAPER



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PREVIEW QUESTION BANK

Module Name : VETERINARY SCIENCE-ENG
Exam Date : 29-Jun-2024 Batch : 10:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	130001	In ox vallate papillae are 1. 8-17 in number on either side of the caudal part of torus linguae 2. 18-24 in number on either side of cranial part of torus linguae 3. 8-17 in number on either side of the cranial part of torus linguae 4. 18-24 in number on either side of caudal part of torus linguae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	130002	Spiral colon is characterstic of (A). Ox (B). Horse (C). Pig (D). Dog Choose the ***correct*** answer from the options given below: 1. (A) and (D) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (A) and (C) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	130003		4.0	1.00

		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Stratum lucidum is translucent layer present between stratum spinosum and stratum granulosum Resoning (R) : Stratum lucidum is translucent due to presence of eledin protein. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
4	130004	Given below are two statements: Statement (I): Keratinocytes contain melanin pigment in the form of melanosomes. Statement (II): Melanin pigment is produced by keratinocytes with the help of Tyrosinase enzyme. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
5	130005		4.0	1.00

		Which of the following is true for mast cells? (A). These cells are common in loose connective tissue. (B). These cells take metachromatic stain. (C). These cells are rich in histamine, heparin and proteases. (D). These cells contain basophilic cytoplasmic granules. Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
6	130006	Plicae circulares of small intestine are permanent folds in 1. Ruminants 2. Horse 3. Dog 4. Fowl A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
7	130007	The narrow space between the pedicels of podocytes is called 1. Filtration diaphragm 2. Filtration slit 3. Slit diaphragm 4. Filtration gap A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
8	130008	Macula densa is a patch of densely packed epithelial cells present (A). towards renal corpuscle side (B). in distal straight tubule (C). in distal convoluted tubule (D). in afferent tubule Choose the ***correct*** answer from the options given below: 1. (A), (C) and (D) only 2. (B) and (D) only 3. (A), (B) and (D) only 4. (A) and (B) only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
9	130009	Which of the following is correct for rete testis? (A). It is present in mediastinum testis (B). It produces testicular fluid (C). It consists of irregular anastmosing canals surrounded by loose connective tissue. (D). It consists of irregular anastmosing canals surrounded by dense connective tissue. Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only 2. (A), (B) and (C) only 3. (A) and (C) only 4. (A) and (D) only A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
10	130010	Glandular epithelium of vesicular gland is 1. Pseudostratified columnar type 2. Simple cuboidal type 3. Simple columnar type 4. Stratified columnar type A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
11	130011	Yolk sac involutes 3-4 weeks after conception in 1. Mare 2. Dog 3. Cat 4. Pig A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
12	130012	Which type of chorioallantoic placenta is present in mare? (A). Diffuse (B). Villous (C). Epitheliochorial (D). Non - deciduate Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only 2. (A), (B) and (D) only 3. (A), (B), (C) and (D) 4. (B), (C) and (D) only	4.0	1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

13 130013 4.0 1.00

Bulbourethral gland is

1. Compound tubular type in boar
2. Compound tubular type in bull
3. Absent in cat
4. Compound tubular type in stallion

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

14 130014 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Nerve block	**Used mainly for intervention of this organ**
(A). Pudendal	(I). Penis
(B). Paravertebral lumbar	(II). Rumen
(C). Auriculopalpebral	(III). Eye
(D). Tibial	(IV). Leg and pes

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

15 | 130015 | 4.0 | 1.00

The sequence of structures through which light rays pass inside eye before reaching upto retina are

(A). Cornea

(B). Lens

(C). Vitreous body

(D). Aqueous humor

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

1. (A), (B), (C), (D).
2. (A), (D), (B), (C).
3. (B), (A), (D), (C).
4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

16 | 130016 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Organ	**Embryonic part from which it develops**
(A). External ear	(I). Endoderm of the Ist pharyngeal pouch
(B). Middle ear	(II). Ectoderm of Ist branchial groove
(C). Inner ear	(III). Neuroectoderm
(D). Retina	(IV). Ectoderm lateral to developing hind brain

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
3. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

17 130017 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Glands	**Uses/ location in animal**
(A). Gland of interdigital pouch	(I). Rostral to eye in sheep
(B). Carpal gland	(II). Territorial marker in pig
(C). Circumoral gland	(III). Lips of cat
(D). Glands of infraorbital pouch	(IV). Trail marker in sheep

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

1. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

18 130018 4.0 1.00

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

Assertion (A) : A wet dog has a typical odour.

Reason (R) : The typical odour of a wet dog is due to secretion from sebaceous glands of the skin.

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

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

19	130019	Craniocaudally the parts of colon in ox are (A). Proximal loop (B). Spiral colon (C). Distal loop (D). Transverse colon Choose the **correct** answer from the options given below: 1. (A), (B), (C), (D). 2. (A), (C), (B), (D). 3. (B), (A), (D), (C). 4. (C), (B), (D), (A). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

20	130020	The number of lumbar vertebrae present in dog are 1. Five 2. Six 3. Seven 4. Eight	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
21	130021	The phase of the bacterial growth cycle in which the cells divide at constant rate depending upon the composition of the growth medium and the conditions of incubation is 1. Lag Phase 2. Exponential (log) Phase 3. Stationary Phase 4. Death (decline) Phase A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
22	130022	Plasma membrane of prokaryotes may form stacks or vesicles attached to the inner membrane surface are known as 1. Mesosomes 2. Ribosomes 3. Polysomes 4. Liposomes A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
23	130023	The main causative agents of the disease mucormycosis belong to the order 1. Pythiales 2. Microascales 3. Onygenales 4. Mucorales	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
24	130024	The cluster of polypeptides forming morphological units on the surface of icosahedral viral particles are 1. Capsid 2. Nucleocapsid 3. Capsomeres 4. Envelope A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
25	130025	Invariably the symmetry of the isometric viruses is 1. Complex 2. Icosahedron 3. Helical 4. Rotational A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
26	130026	The two major type I interferons produced within a few hours of viral invasion are 1. IFN-Alpha(α) & Beta(β) 2. IFN-Lambda(λ) & Gamma(γ) 3. IFN-Delta(δ) & Kappa(κ) 4. IFN- Beta(β) & Gamma(γ)	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
27	130027	The five serogroups of *Pasteurella multocida* identified on the basis of chemical composition of capsular polysaccharides are 1. A, B, C, D, E 2. A, B, D, E, F 3. A, B, C, E, F 4. A, C, D, E, F A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
28	130028	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A): In *Brucella* antibody testing, *Yersinia* infected animals may be wrongly detected as *Brucella* carriers and so may be killed. Reason (R): Cross reactivity exists between *B. abortus* and some strains of *Y. enterocolitica*, which is relatively unimportant organism. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	130029		4.0	1.00

		The relative merits of live vaccines over inactivated vaccines are (A). Fewer doses required (B). Less chances of hypersensitivity (C). Donot replicate in recipient (D). Relatively cheap Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (B) and (C) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
30	130030	For activation of the complement system the innate pathways involved are (A).The Amplification pathway (B).The Classical pathway (C).The Lectin pathway (D).The Alternative pathway Choose the ***correct*** answer from the options given below: 1. (A), (B), (C) and (D). 2. (A), (B) and (C) only. 3. (B) and (C) only. 4. (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
31	130031		4.0	1.00

Adaptive immunity is always turned on by antigens and the cells engaged are

(A). T cells

(B). NK cells

(C). Dendritic cells

(D). B cells

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

1. (A) and (B) only
2. (B) and (C) only
3. (C) and (D) only
4. (A) and (D) only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

32 130032 4.0 1.00

Most instances of immune dysfunction fall into which of the following broad categories ?

(A). Hypersensitivity (allergy)

(B). Immune imbalance

(C). Immune deficiency

(D). Autoimmune disease

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

1. (A), (B) and (D) only
2. (A), (B) and (C) only
3. (A), (B), (C) and (D)
4. (B), (C) and (D) only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

33 130033 4.0 1.00

Match the cellular event from **List-I** with the most likely mediators of inflammation from **List-II**

List-I	List-II
(A). Vasodilation	(I). C5a
(B). Increased vascular permeability	(II). Nitric oxide
(C). Chemotaxis and leukocyte activation	(III). Histamine
(D). Fever	(IV). IL-1 & IL-6

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
3. (A) - (II), (B) - (III), (C) - (I), (D)- (IV)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

34 130034 4.0 1.00

Match the causes of acute inflammation from **List-I** with **List-II**

List-I	List-II
(A). Infectious agents	(I). Alkalies
(B). Chemical agents	(II). Deficiencies in specific vitamins
(C). Nutritional imbalances	(III). Hypersensitivity reactions
(D). Immunological reactions	(IV). Fungi

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

1. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
3. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
4. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
35	130035	The sequence of changes occuring in coagulative necrosis is (A). Membrane damage (B). Cell swelling (C). Chromatin clumping (D). Organellar swelling Choose the **correct** answer from the options given below: 1. (A), (B), (C), (D). 2. (A), (C), (B), (D). 3. (B), (C), (D), (A). 4. (C), (B), (D), (A). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
36	130036		4.0	1.00

Match the virus family from **List-I** with their site of budding from **List-II**

List-I	**List-II**
Family of virus	**Budding Site**
(A). *Poxviridae*	(I). Golgi membrane
(B). *Herpesviridae*	(II). Nuclear membrane
(C). *Rhabdoviridae*	(III). Plasma membrane
(D). *Coronaviridae*	(IV). Endoplasmic reticulum

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
4. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37 130037 4.0 1.00

Deposition of carbon or coal dust in the lungs is known as

1. Siderosis
2. Silicosis
3. Anthracosis
4. Plumbism

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

38 130038 4.0 1.00

		The sequence of events that occurs during the process of fever is (A). Infections or toxins in the blood (B). Skin vasoconstriction followed by fever (C). Release of IL-1, IL-6, TNF, IFNs (D). Release of Prostaglandin E Choose the **correct** answer from the options given below 1. (A), (B), (C), (D) 2. (A), (C), (D), (B) 3. (B), (A), (D), (C) 4. (C), (B), (D), (A) A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
39	130039	Given below are two statements 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 *most appropriate* answer from the options given below 1. Both Statement (I) and Statement (II) are true 2. Both Statement (I) and Statement (II) are false 3. Statement (I) is true but Statement (II) is false 4. Statement (I) is false but Statement (II) is true A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
40	130040		4.0	1.00

		Given below are two statements: Statement (I):Most IgE is bound to tissue mast cells and occurs in extremely low concentrations in serum. Statement (II):IgE cannot act simply by binding and coating antigens, as the other immunoglobulins do. In light of the above statements,choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
41	130041	Epithelial pearl is a feature of 1. Chondroma 2. Osteosarcoma 3. Chondrosarcoma 4. Squamous cell carcinoma A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
42	130042	Which of the following statements are true regarding brucellosis? (A). Necrotic placentitis is frequently encountered (B). Hygroma and joint inflammation occurs in chronic cases (C). Humans can get infected through intact mucous membrane (D). Abortions generally occurs in the first half of the gestation Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (B) and (C) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only.	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
43	130043	Button ulcers in colon of pigs are seen in (A). Classical swine fever (B). Toxoplasmosis (C). Intestinal salmonellosis (D). Glasser's disease Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A) and (C) only. 3. (B), (C) and (D) only. 4. (A) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
44	130044		4.0	1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Posthitis	(I). Inflammation of spermatic cord
(B). Cheilitis	(II). Inflammation of cecum
(C). Funiculitis	(III). Inflammation of prepuce
(D). Typhlitis	(IV). Inflammation of the lips

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

1. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
4. (A) - (I), (B) - (IV), (C) - (II), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

45	130045	Which one of the following is a typical example of an euryxenous parasite? 1. *Trypanosoma evansi* 2. *Theileria annulata* 3. *Eimeria tenella* 4. *Babesia bigemina* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

46	130046		4.0	1.00

The sequential arrangement of parts in the leg of an insect is

(A). Claw

(B). Coxa

(C). Femur

(D). Tarsus

(E). Tibia

(F). Trochanter

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

1. (B), (C), (D), (E), (F), (A)
2. (B), (E), (C), (D), (F), (A)
3. (B), (F), (C), (E), (D), (A)
4. (B), (C), (F), (E), (D), (A)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

47	130047	The ciliated embryophore of *Diphyllobothrium latum* is called as 1. Miracidium 2. Procercoid 3. Hexacanth embryo 4. Coracidium A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

48	130048	The polyether ionophorous antibiotic with potent anticoccidial action is 1. Arprinocid 2. Halofuginone 3. Monensin sodium 4. Robenidine	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
49	130049	Which of the following situation indicate a state of premunity in bovine tropical theileriosis? 1. Low erythrocytic infection with absence of KBB 2. High erythrocytic infection with absence of KBB 3. High erythrocytic infection with high number of KBB 4. Low erythrocytic infection with high number of KBB A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
50	130050	Slime balls of *Dicrocoelium dendriticum* are aggregations of 1. Sporocyst 2. Redia 3. Cercaria 4. Metacercaria A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
51	130051	Parasite which causes both VLM and CLM is 1. *Toxocara canis* 2. *Ancylostoma caninum* 3. *Bunostomum trigonocephalum* 4. *Gnathostoma spinigerum* A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
52	130052	Which of the following immunological tests are not used for diagnosis of schistosomosis in living animals? (A). Casoni's test (B). TORCH test (C). Cercarial hullen reaction (D). Frenkel's test Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only 2. (A), (C) and (D) only 3. (A), (B), (C) and (D) 4. (B), (C) and (D) only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
53	130053	Haemorrhagic nodules in peritoneum of right abdominal flank of equine are produced by the larvae of 1. *Strongylus equinus* 2. *Strongylus edentatus* 3. *Strongylus vulgaris* 4. *Cyathostomum tetracanthum* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
54	130054		4.0	1.00

Biting midges are characterized by

(A). Mottled appearance in wings

(B). Thorax is humped over the head

(C). Piercing mouth parts

(D). Antenna is 3 segmented

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

1. (A), (B) and (C) only.
2. (A), (B) and (D) only.
3. (A), (B), (C) and (D).
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 130055 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Parasite	**Drug**
(A). *Schistosoma* sp.	(I). Bufynurate
(B). *Fasciola gigantica*	(II). Praziquantel
(C). Poultry cestodes	(III). Ivermectin
(D). *Dictyocaulus filaria*	(IV). Triclabendazole

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

1. (A) - (III), (B) - (II), (C) - (I), (D) - (IV)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (III), (B) - (II), (C) - (IV), (D) - (I)
4. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

56 | 130056 | 4.0 | 1.00

Sequentially arrange the following life cycle stages of ixodid ticks

(A). Larva

(B). Adult

(C). Nymph

(D). Egg

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

1. (A), (B), (C), (D)
2. (B), (C), (D), (A)
3. (D), (A), (C), (B)
4. (D), (C), (A), (B)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

57 | 130057 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Palisade worm	(I). *Osterfagia ostertagi*
(B). Twisted worm	(II). *Syngamus trachea*
(C). Brown stomach worm	(III). *Haemonchus contortus*
(D). Gape worm	(IV). *Strongylus equinus*

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

1. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
2. (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
3. (A) - (III), (B) - (II), (C) - (IV), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

		A3 : 3 A4 : 4		
Objective Question				
58	130058	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : *Eimeria tenella* is the most pathogenic coccidia of chickens and causes heavy mortality in broilers managed under deep liter system. Reason (R) : Mortality in caecal coccidiosis usually occurs due to the presence of large number of gametogonic stages in the caecal epithelium of infected birds. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
59	130059	Given below are two statements. Statement (I): Heavy infection of *Argas persicus* results in anaemia and the egg-laying drops or completely stops in fowl. Statement (II): Control of *Argas persicus* is difficult as it attacks the birds at night and larvae and nymphs drop-off after feeding for about 2 hours. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				

60	130060	Given below are two statements: Statement (I): The animals infected with *Theileria annulata* are cross-protected against *Theileria parva* infection. Statement (II): Protective immunity in *Theileria parva* is confered by cytotoxic T lymphocytes which cause lysis of parasites by osmotic alteration in target cells leading to swelling and disruption of the cells. In light of the above statements, choose the *most appropriate* answer from the options given below: 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
61	130061	Which of the following effects is not associated with the administration of anticholinergic agents? 1. Transient tachycardia following intravenous administration in dogs 2. First or second-degree AV block progressing to sinus tachycardia in dogs 3. Colic due to ileus in horses 4. Central nervous system depression in dogs A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
62	130062	Absence of pathogenic microbes or infection in living tissue is termed as 1. Antisepsis 2. Asepsis 3. Disinfection 4. Sterilization A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
63	130063	Which of the following synthetic material is not used for vascular and cardiac surgeries? 1. Polypropylene 2. Polytetrafluoroethylene 3. Dacron 4. Polyoxymethylene A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
64	130064	For the same amount of absorbed dose in Gray, which of the following will produce maximum ionization and biological hazard? 1. X-rays 2. Gamma Rays 3. Beta particles 4. Alpha particles A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
65	130065	Which of the following effects are least observed with systemic administration of glycopyrrolate? 1. Antisialogogue 2. Tachycardia 3. Ocular effects 4. Muscle relaxation A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
66	130066	Which of the following is not a component of intra-abdominal tunics surrounding the testicles, in animals? 1. Internal spermatic fascia 2. External spermatic fascia 3. Visceral lamina of vaginal tunic 4. Parietal lamina of vaginal tunic A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
67	130067	Which of the following is the most common cause of dystocia in cattle? 1. Faulty fetal disposition 2. Incomplete cervical and vaginal dilation 3. Feto-maternal disproportion 4. Uterine inertia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
68	130068	Which of the following species has cotyledonary placenta? 1. Horse 2. Cattle 3. Dog 4. Cat A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
69	130069	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Transducer should be placed perfectly parallel to the blood flow to get an insonation angle of 0 to 180 degrees, at the time of Doppler ultrasonography Reason (R) : At an insonation angle of 0 to 180 degrees, the transducer receives maximum Droppler's shift from the blood flow. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both (A) and (R) are correct and (R) is the correct explanation of (A). 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). 3. (A) is correct but (R) is not correct. 4. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
70	130070	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : In ultrasonography, the axial resolution and the maximum available depth of examination is higher for higher frequency transducers. Reason (R) : The high frequency transducers produce shorter pulses with longer pulse interval, and are attenuated early in the tissues due to higher number of interactions. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both (A) and (R) are correct and (R) is the correct explanation of (A). 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). 3. (A) is correct but (R) is not correct. 4. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
71	130071		4.0	1.00

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

Assertion (A) : Anticholinergic drugs are not commonly used as antisialogogue in ruminants.

Reason (R) : Administration of anticholinergic agents make the salivary secretions of ruminants thick and viscid, and thus predisposes them to airway obstruction.

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

1. Both (A) and (R) are correct and (R) is the correct explanation of (A).
2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).
3. (A) is correct but (R) is not correct.
4. (A) is not correct but (R) is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

72 130072 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A) Hydroquinone	(I) Restrainer
(B) Sodium carbonate	(II) Preservative
(C) Potassium bromide	(III) Reducing agent
(D) Sodium sulfite	(IV) Accelerator

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

1. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
4. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73 | 130073 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A) Morphine	(I) Opioid antagonist
(B) Buprenorphine	(II) Opioid agonist-antagonist
(C) Butorphanol	(III) Partial opioid agonist
(D) Naloxone	(IV) Opioid agonist

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

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

74 | 130074 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A) FSH	(I) Placenta
(B) $PGF_{2\alpha}$	(II) Hypothalamus
(C) GnRH	(III) Uterus
(D) eCG	(IV) Pituitary

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

1. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
2. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
75	130075	The factors that are associated with high complication rates in esophageal surgery are (A) Segmental blood supply (B) Lack of serosa (C) Presence of thick omentum (D) Continuous gulping movements due to saliva Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only 2. (B), (C) and (D) only 3. (A), (B) and (D) only 4. (A), (B), (C) and (D) A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
76	130076	Properties of the tungsten that make it a good material for making the anode in an X-ray tube are (A) High vapor pressure at high temperature (B) High atomic number (C) High melting point (D) Good thermal conductivity Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only 2. (A), (B) and (D) only 3. (A), (B), (C) and (D) 4. (B), (C) and (D) only A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
77	130077	Which of the following drugs are non-depolarizing neuromuscular blocking agents? (A) Atracurium (B) Succinylcholine (C) Pancuronium (D) Vecuronium Choose the ***correct*** answer from the options given below: 1. (A), (C) and (D) only 2. (A), (B) and (C) only 3. (A), (B), and (D) only 4. (B), (C) and (D) only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	130078	Which of the following is used for the hormonal testing of sub-fertile and infertile stallions? (A) Serum FSH, LH, Estradiol, Testosterone and Inhibin levels (B) Single-phase GnRH challenge (C) hCG stimulation test (D) Progestagen treatment test Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only 2. (B) (C), and (D) only 3. (A), (C) and (D) only 4. (A), (B), and (D) only A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
79	130079	Branches of the abdominal aorta, from cranial to caudal are - (A) Cranial mesenteric artery (B) External iliac artery (C) Renal artery (D) Celiac artery Choose the **correct** answer from the options given below 1. (D), (A), (C), (B) 2. (C), (B), (D), (A) 3. (B), (D), (C), (A) 4. (A), (B), (D), (C) A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
80	130080	Parts of the great colon in horses,starting from cranial to caudal are (A) Left ventral colon (B) Right ventral colon (C) Left dorsal colon (D) Right dorsal colon Choose the **correct** answer from the options given below 1. (A), (B), (D), (C) 2. (C), (B), (D), (A) 3. (C), (D), (A), (B) 4. (B), (A), (C), (D) A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
81	130081		4.0	1.00

		Praying position in dogs is observed in which of the following clinical condition? 1. Cystitis 2. Meningitis 3. Pharyngitis 4. Pancreatitis A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
82	130082	Shock in case of burn is an example of 1. Vasogenic Shock 2. Septic Shock 3. Cardiogenic Shock 4. Hypovolaemic shock A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
83	130083	Which one of the follwing method under alteration of description (fraud) is practised among animals by which animal may appear younger ? 1. Bestiality 2. Bishoping 3. Perjury 4. Phooka A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				

84	130084	Feline panleukopenia is also known as 1. Feline peritonitis 2. Feline Parvoviral Enteritis 3. Feline rhinotracheitis 4. Feline Pneumonia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
85	130085	Most common form of Aspergillosis in horses is 1. Mycotic Abortion 2. Guttural Pouch Mycosis 3. Renal Failure 4. Pulmonary Infection A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
86	130086	Dogs with which of the following mutation are predisposed to increased sensitivity to ivermectin and moxidectin ? 1. PKFD 2. ABCB1 3. PIK3CA 4. HUU A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
87	130087		4.0	1.00

		Swollen, friable, dark red or black colored liver (bronze colored) is observed as a constant feature of which of the following disease of broilers? 1. Fowl Typhoid 2. Pullorum Disease 3. Avian Leucosis Complex 4. Infectious Bursal Disease A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
88	130088	Normal serum calcium level in cattle is 1. 5.9-7.1 mg/dl 2. 8.5-10 mg/dl 3. 5.9-7.1 g/dl 4. 8.5-10 g/dl A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
89	130089		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
Condition	**Drug used**
(A). Cyanide Poisoning	(I). Calcium Disodium Edetate
(B). Lead poisoning	(II). Sodium Thiosulphate
(C). Trypanosomosis	(III). Isometamedium Chloride
(D). *Hepatozoon canis* infection	(IV). Imidocarb Dipropionate

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

1. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90	130090		4.0	1.00

Match **List-I** with **List-II**

List-I	**List-II**
Test	**Condition**
(A). Rivalta's Test	(I). *Streptococcus agalactiae*
(B). Pole Test	(II). TRP/ Foreign Body Syndrome
(C). Casoni Test	(III). Hydatid Cyst Diseases
(D). Hoti's Test	(IV). Feline Infectious Peritonitis

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

91 130091 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
(A). Breech Presentation	(I). Birth of dead fetus
(B). Monster	(II). Brucellosis
(C). Still Birth	(III). Bilateral hip flexion
(D). Bang's Disease	(IV). *Amorphous Globosus*

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

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
92	130092	Which of the following drugs can be used to terminate pregnancy in she dogs? (A). Aglepristone (B). $PGF_{2\alpha}$ (C). Dexamethasone (D). Cabergoline & Cloprostenol Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (C) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
93	130093	In stallion, testosterone is produced by (A). Leydig cells (B). Seminiferous tubules (C). Epididymis (D). Prostate Gland Choose the ***correct*** answer from the options given below: 1. (A), (B) and (C) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
94	130094	Relationship between longitudinal axis of dam with the longitudinal axis of foetus and parts present towards birth canal signifies 1. Presentation 2. Posture 3. Position 4. Vertex Posture A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
95	130095	Seminal vesicle is absent in 1. Boar 2. Dog 3. Stallion 4. Bull A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
96	130096		4.0	1.00

		On echocardiography, dilated cardiomyopathy in dogs is characterized best by which of the following findings ? (A). Decreased ejection fraction (B). Decreased fraction shortening (C). Increased mitral valve E-point to septal separation (EPSS) (D). Decreased LA/AO ratio Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only 2. (A), (B) and (C) only 3. (A), (B), (C) and (D) 4. (B), (C) and (D) only A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
97	130097	Given below are two statements: Statement (I) : Babesiosis is caused by extraerythrocytic parasite in bovines and is transmitted transovarially by *Rhipicephalus (Boophilus) microplus* ticks. Statement (II) : *Babesia bovis* is the small form in cattle while *Babesia canis* is the large form in dogs In light of the above statements, choose the *most appropriate answer* from the options given below: 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
98	130098		4.0	1.00

		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) :Potassium may be supplemented by IV route at a rate over 0.5mEq/kg/hour in animals. Reason (R) : Adverse cardiac effects can occur above 0.5mEq/kg/hour rate. In light of the above statements, choose the *correct* answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
99	130099	Given below are two statements: Statement (I): Myxedema on the forehead and face, resulting in a puffy appearance and thickened skin folds above the eyes is most common in hypothyroidism. Statement (II): Above-described signs are also important clinical signs in case diabetes mellites. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct 2. Both Statement (I) and Statement (II) are incorrect 3. Statement (I) is correct but Statement (II) is incorrect 4. Statement (I) is incorrect but Statement (II) is correct A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
100	130100		4.0	1.00

		Given below are two statements: Statement (I): Warts in cattle is caused by papilloma virus. Statement (II): Ring worm in cattle is caused by *Trichophyton spp*. In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
101	130101	The positive inotropic effect of digitalis is due to inhibition of Na^+/K^+ ATPase pump in cardiac muscle cell membrane leading to 1. Decreased activity of Na^+/Ca^{++} exchanger causing decreased influx of Na^+ and decreased efflux of Ca^{++} in the sarcolemma 2. Decreased efflux of Na^+ leading to less negative resting membrane potential and opening of voltage gated Ca^{++} channels on the T tubules 3. Increased intracellular Na^+ causing increased efflux of Na+ and increased influx of Ca^{++} through Na^+/Ca^{++} exchanger in the sarcolemma 4. Increased intracellular Na^+ decreasing the activity of Ca^{++} pump in the sarcoplasmic reticulum A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
102	130102	Which one of the following diuretics does not require its presence in the renal tubular lumen for its pharmacological effects? 1. Thiazide diuretics 2. Loop diuretics 3. Carbonic anhydrase inhibitors 4. Aldosterone antagonists A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
103	130103	All of the following antidiabetic drugs act by enhancing insulin secretion except 1. Exenatide 2. Sitagliptin 3. Rosiglitazone 4. Repaglinide A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
104	130104	Which of the following antiepileptic drugs acts by affecting the levels of GABA? 1. Tiagabine 2. Ethosuximide 3. Phenytoin sodium 4. Carbamazepine A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
105	130105		4.0	1.00

Which of the following statements are not true about Type B adverse drug reactions?

(A). Qualitatively abnormal responses to the drug

(B). Predictable from the drug's known pharmacological or toxicological effects

(C). Generally dose-dependent

(D). Usually common

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

1. (A), (B) and (D) only
2. (C) and (D) only
3. (B), (C) and (D) only
4. (A) and (D) only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

106 130106 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Drug	**Source**
(A). Thebaine	(I). *Strophanthus gratus*
(B). d-tubocurarine	(II). Semi-synthetic opioid
(C). Ouabain	(III). *Papaver somniferum*
(D). Etorphine	(IV). *Chondrodendron tomentosum*

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

1. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
2. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

107 130107 4.0 1.00

Match **List-I** with **List-II**

List-I	**List-II**
Agrochemical	**Toxic effect**
(A). Triorthocresyl phosphate (TOCP)	(I). Pulmonary fibrosis
(B). Paraquat	(II). Severe hyperthermia
(C). Deltamethrin	(III). Delayed neurotoxicity
(D). Dinitrophenol	(IV). CS syndrome

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

1. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (III), (B) - (II), (C) - (I), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

108 130108 4.0 1.00

A 70 kg calf was given a drug X at a dose of 100 mg/kg body weight. The half-life of the drug X is 10 hours and its initial plasma concentration is 1.9 mg/ml. True statement about drug X is/are

(A). Clearance is around 0.02 litre/hour

(B). Volume of distribution is around 0.36 L

(C). Elimination rate constant is 0.00693

(D). Clearance is around 0.2 litre/hour

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

1. (A), (B) and (C) only
2. (C) and (D) only
3. (A) only
4. (D) only

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
109	130109	Which of the following statements are not correct about first order kinetics? (A). Clearance remains constant (B). Fixed amount of the drug is eliminated (C). Half-life increases with dose (D). Decrease in clearance with increasing dose Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (C) and (D) only. 3. (B), (C) and (D) only. 4. (A) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
110	130110	Which of the following statement regarding Cytochrome P450 enzymes is incorrect ? 1. They are involved in the production of steroids 2. They absorb maximum light at 450 nm wavelength 3. They are present in the endoplasmic reticulum of the liver cells 4. They are non-heme proteins A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
111	130111		4.0	1.00

		Secondary photosensitization occurs after the ingestion of 1. *Parthenium hysterophorus* 2. *Fagopyrum esculentum* 3. *Hypericum perforatum* 4. *Lantana camara* A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
112	130112	Anaerobic bacteria are intrinsically resistant to 1. Beta lactams 2. Aminoglycosides 3. Chloramphenicol 4. Metronidazole A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
113	130113	Arrange the adverse effects of Chloramphenicol, Tetracyclines, Aminoglycosides and Sulfadiazine in correct order A. Keratoconjunctivitis sicca B. Teeth discoloration C. Ashen-gray skin discoloration D. Deafness 1. C, D, A, B 2. C, B, D, A 3. B, C, A, D 4. B, D, C, A A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

114 | 130114 | 4.0 | 1.00

Given below are two statements:

Statement (I): The time of drug concentration above minimum inhibitory concentration (T > MIC) is important for clinical success in case of treatment with beta lactam antibiotics.

Statement (II): Carbapenems are sensitive to extended spectrum beta lactamases (ESBL).

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

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

115 | 130115 | 4.0 | 1.00

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

Assertion (A) : Tetracyclines inhibit protein synthesis and exhibit broad spectrum bactericidal effect.

Reason (R) : Tetracyclines bind to 30 S subunit and inhibit the binding of aminoacyl-tRNA to A-site.

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

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

116 | 130116 | 4.0 | 1.00

		A zoo keeper was accidently bitten by a captive snake on the hand. The hand showed local tissue damage and discoloration, oozing of blood from fang wounds, swelling, and local suppuration. The snake could be 1. Banded Krait 2. Black Mamba 3. Russell's Viper 4. King Cobra A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
117	130117	Which of the following animals are colon fermenters? (A). Elephant (B). Zebra (C). Rabbit (D). Horse Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only 2. (C) and (D) only 3. (A), (B), (C) and (D) 4. (D) only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
118	130118		4.0	1.00

Match **List-I** with **List-II**

List-I	List-II
Characteristic	**Wild animal**
(A). Artiodactyl	(I). Crocodile
(B). Perissodactyl	(II). Kangaroo
(C). Poikilotherm	(III). Hippopotamus
(D). Metatherian	(IV). Rhinoceros

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

1. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
2. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 130119 4.0 1.00

Arrange the families of Bear, Deer, Wolf and Antelope in correct order

A. Bovidae

B. Cervidae

C. Ursidae

D. Canidae

1. C, D, A, B
2. C, B, D, A
3. C, A, B, D
4. B, D, C, A

A1 : 1

A2 : 2

A3 : 3

		A4 : 4		
Objective Question				
120	130120	Given below are two statements: Statement (I): Carfentanil is used for chemical restraining and immobilization of wildlife species. Statement (II): Carfentanil is a potent synthetic opioid whose action can be reversed by Naltrexone. In light of the above statements, choose the *most appropriate* answer from the options given below: 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

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