

23 Vet Public Health N Epidemiology ICAR SEPT 2022

Topic:- GEN KNOW COMMON PHD

1) Colour of the tag used on certified seed bags is[Question ID = 16958][Question Description = 101_221_GKD_SEP22_Q01]

1. Blue [Option ID = 37829]
2. Purple [Option ID = 37830]
3. White [Option ID = 37831]
4. Golden Yellow [Option ID = 37832]

2) Following are the statements regarding the Usar soil -

- A. It is reclaimed by adding lime.
- B. This soil has pH more than seven.
- C. Paddy crop can be grown in this soil.

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

[Question ID = 16959][Question Description = 102_221_GKD_SEP22_Q02]

1. A and B only [Option ID = 37833]
2. B and C only [Option ID = 37834]
3. C only [Option ID = 37835]
4. A only [Option ID = 37836]

3) When total utility of a commodity increases, marginal utility will be

[Question ID = 16960][Question Description = 103_221_GKD_SEP22_Q03]

1. Negative but increasing
[Option ID = 37837]
2. Positive but decreasing
[Option ID = 37838]
3. Constant
[Option ID = 37839]
4. Either positive or negative
[Option ID = 37840]

4) Where is the headquarter of International Fund for Agriculture Development located?

[Question ID = 16961][Question Description = 104_221_GKD_SEP22_Q04]

1. Vienna, Austria
[Option ID = 37841]
2. Rome, Italy
[Option ID = 37842]
3. New York, USA
[Option ID = 37843]
4. Berlin, Germany
[Option ID = 37844]

5) Mid-Oceanic Ridges are one of the important divisions of the ocean floor. In this respect, point out the incorrect statement regarding the 'Mid-Oceanic Ridges'. [Question ID = 16962][Question Description = 105_221_GKD_SEP22_Q05]

1. It is the largest mountain chain on the surface of the earth [Option ID = 37845]
2. It is a series of interconnected chain within the ocean. [Option ID = 37846]
3. It is characterised by a central rift system [Option ID = 37847]
4. The rift system at the crest is the zone of very low volcanic activity. [Option ID = 37848]

6) Consider the following facts about the union territory of India and point out the one which is incorrect in relation to union territory. [Question ID = 16963][Question Description = 106_221_GKD_SEP22_Q06]

1. These are the areas under the direct control of central government. [Option ID = 37849]
2. Also known as the 'centrally administered territories. [Option ID = 37850]

3. These territories constitute a conspicuous departure from the unitary feature of India. [Option ID = 37851]
4. There is no uniformity in their administrative systems. [Option ID = 37852]

7) Variety of flora and fauna are found in the different types of forest in India. In this regard, species of trees like teak, *sal shisham*, *sandalwood*, etc. are found in which of the following type of forests in India?[Question ID = 16964][Question Description = 107_221_GKD_SEP22_Q07]

1. Tropical evergreen forests [Option ID = 37853]
2. Tropical thorn forests [Option ID = 37854]
3. Tropical deciduous forests [Option ID = 37855]
4. Montane forests [Option ID = 37856]

8) The Marginal Preference Theory of consumption behaviour was proposed by

[Question ID = 16965][Question Description = 108_221_GKD_SEP22_Q08]

1. Armstrong
[Option ID = 37857]
2. J.K.Hicks
[Option ID = 37858]
3. Neumann
[Option ID = 37859]
4. Edmund Cannon
[Option ID = 37860]

9) Point out the incorrect statements regarding the service sector in India.[Question ID = 16966][Question Description = 109_221_GKD_SEP22_Q09]

1. It is the highest contributor to GDP [Option ID = 37861]
2. It requires skilled labour [Option ID = 37862]
3. It is the fastest growing sector [Option ID = 37863]
4. It is restricted to very few sectors. [Option ID = 37864]

10) Consider the statements regarding the agriculture sector in India and point out the incorrect statement.[Question ID = 16967][Question Description = 110_221_GKD_SEP22_Q10]

1. Agriculture sector is the largest employer of workforce [Option ID = 37865]
2. It has contributed to the Gross Value Added (GVA) [Option ID = 37866]
3. Growth in allied sectors is the major drivers of overall growth in the sector. [Option ID = 37867]
4. Minimum Support Price (MSP) policy is used as to promote crop uniformity. [Option ID = 37868]

11) In case of related goods, the cross elasticity of demand is[Question ID = 16968][Question Description = 111_221_GKD_SEP22_Q11]

1. Low [Option ID = 37869]
2. High [Option ID = 37870]
3. Zero [Option ID = 37871]
4. Unity [Option ID = 37872]

12) With reference to organic farming in India, consider the following statements :

- A. The National Programme for Organic Production' (NPOP) is operated under the guidelines and directions of the Union Ministry of Rural Development.
- B. The Agricultural and Processed Food Products Export Development Authority' (APEDA) functions as the Secretariat for the implementation of NPOP.
- C. Sikkim has become India's first fully organic state.

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

[Question ID = 16969][Question Description = 112_221_GKD_SEP22_Q12]

1. A and B only
[Option ID = 37873]
2. B and C only
[Option ID = 37874]
3. C only
[Option ID = 37875]
4. A, B and C

[Option ID = 37876]

13) With reference to the circumstances in Indian agriculture, the concept of "Conservation Agriculture" assumes significance. Which of the following falls under the Conservation Agriculture ?

- A. Avoiding the monoculture practices.
- B. Adopting minimum tillage.
- C. Avoiding the cultivation of plantation crops.
- D. Using crop residues to cover soil surface.
- E. Adopting spatial and temporal crop sequencing/ crop rotations.

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

[Question ID = 16970][Question Description = 113_221_GKD_SEP22_Q13]

- 1. A, C and D only [Option ID = 37877]
- 2. B, C, D and E only [Option ID = 37878]
- 3. B, D and E only [Option ID = 37879]
- 4. A, B, C and E only [Option ID = 37880]

14) Consumers are likely to get a variety of goods in which kind of market competition[Question ID = 16971][Question Description = 114_221_GKD_SEP22_Q14]

- 1. Monopoly [Option ID = 37881]
- 2. Duopoly [Option ID = 37882]
- 3. Oligopoly [Option ID = 37883]
- 4. Monopolistic [Option ID = 37884]

15) What is the correct chronological order of the following laws enacted for the conservation and protection of environment ?

- A. Environment (Protection) Act.
- B. Water (Prevention & Control of Pollution) Act.
- C. Air (Prevention & Control of pollution) Act.
- D. National Green Tribunal Act.

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

[Question ID = 16972][Question Description = 115_221_GKD_SEP22_Q15]

- 1. B, C, A, D [Option ID = 37885]
- 2. A, B, C, D [Option ID = 37886]
- 3. C, B, A, D [Option ID = 37887]
- 4. D, C, B, A [Option ID = 37888]

16) The scientific study of soil is[Question ID = 16973][Question Description = 116_221_GKD_SEP22_Q16]

- 1. Earth Study [Option ID = 37889]
- 2. Soil Science [Option ID = 37890]
- 3. Pedology [Option ID = 37891]
- 4. Soil Chemistry [Option ID = 37892]

17) *Triticum aestivum*, the common bread wheat is -

[Question ID = 16974][Question Description = 117_221_GKD_SEP22_Q17]

- 1. Tetraploid

[Option ID = 37893]

- 2. Hexaploid

[Option ID = 37894]

- 3. Haploid

[Option ID = 37895]

- 4. Diploid

[Option ID = 37896]

18) Sectoral inflation refers to[Question ID = 16975][Question Description = 118_221_GKD_SEP22_Q18]

- 1. Running inflation [Option ID = 37897]

2. Comprehensive inflation [Option ID = 37898]
3. Sporadic inflation [Option ID = 37899]
4. Creeping inflation [Option ID = 37900]

19) Keynes Liquidity trap refers to[Question ID = 16976][Question Description = 119_221_GKD_SEP22_Q19]

1. Speculative demand for money [Option ID = 37901]
2. Transactions motive of money is inelastic [Option ID = 37902]
3. Precautionary motive of money is inelastic [Option ID = 37903]
4. Transactions motive of money is constant [Option ID = 37904]

20) A business is solvent if[Question ID = 16977][Question Description = 120_221_GKD_SEP22_Q20]

1. Total receipts exceed total expenditures [Option ID = 37905]
2. Total debt exceeds total equity [Option ID = 37906]
3. Total sales exceed total cash expense [Option ID = 37907]
4. Total assets exceed total liabilities [Option ID = 37908]

Topic:- Veterinary and Animal Sciences 2_PHD

1) Migration of larval stage of parasite through various organs of definitive host during its development is termed as:

[Question ID = 3701][Question Description = 101_119_BVA_SEP22_Q01]

1. Diapause [Option ID = 14801]
2. Histotrophic phase [Option ID = 14802]
3. Hypobiosis [Option ID = 14803]
4. Hibernation [Option ID = 14804]

2) The same host acting as both definitive and intermediate host due to auto-infection or reinfection is better termed as:

[Question ID = 3702][Question Description = 102_119_BVA_SEP22_Q02]

1. Monoxenous parasite [Option ID = 14805]
2. Heteroxenous Parasite [Option ID = 14806]
3. Facultative heteroxenous parasite [Option ID = 14807]
4. Autoheteroxenous Parasite [Option ID = 14808]

3) Which of the following nematode does not bear any spicule?

[Question ID = 3703][Question Description = 103_119_BVA_SEP22_Q03]

1. *Oxyuris equi* [Option ID = 14809]
2. *Trichuris ovis* [Option ID = 14810]
3. *Trichinella spiralis* [Option ID = 14811]
4. *Dictyocaulus filaria* [Option ID = 14812]

4) Which one among the following tapeworms has operculated egg?

[Question ID = 3704][Question Description = 104_119_BVA_SEP22_Q04]

1. *Echinococcus granulosus* [Option ID = 14813]
2. *Taenia solium* [Option ID = 14814]
3. *Hymenolepis nana* [Option ID = 14815]
4. *Diphyllobothrium latum* [Option ID = 14816]

5) Winter coccidiosis in cattle is caused by the following protozoan parasite:

[Question ID = 3705][Question Description = 105_119_BVA_SEP22_Q05]

1. *Eimeria zuernii* [Option ID = 14817]
2. *Theileria annulata* [Option ID = 14818]
3. *Babesia bigemina* [Option ID = 14819]
4. *Babesia bovis* [Option ID = 14820]

6) Moniliform antenna is seen in:

[Question ID = 3706][Question Description = 106_119_BVA_SEP22_Q06]

1. Horse fly [Option ID = 14821]
2. Sand fly [Option ID = 14822]
3. Tiger mosquito [Option ID = 14823]
4. Deer fly [Option ID = 14824]

7) Given below are two statements

Statement I: Blackflies breed only in running water.

Statement II: Both male and female black flies suck blood.

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

[Question ID = 3707][Question Description = 107_119_BVA_SEP22_Q07]

1. Both Statement I and Statement II are true [Option ID = 14825]
2. Both Statement I and Statement II are false [Option ID = 14826]
3. Statement I is true but Statement II is false [Option ID = 14827]
4. Statement I is false but Statement II is true [Option ID = 14828]

8) Match List I with List II

List I	List II
(Name of the vector)	(Pathogen transmitted)
A. <i>Blatella germanica</i>	I. <i>Gongylonema pulchrum</i>
B. <i>Formica fusca</i>	II. <i>Dicrocoelium dendriticum</i>
C. <i>Tabanus striatus</i>	III. <i>Dipylidium caninum</i>
D. <i>Ctenocephalides canis</i>	IV. <i>Trypanosoma evansi</i>
	V. <i>Trypanosoma brucei</i>

Choose the correct answer from the options given below:

[Question ID = 3708][Question Description = 108_119_BVA_SEP22_Q08]

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

[Option ID = 14829]

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

[Option ID = 14830]

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

[Option ID = 14831]

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

[Option ID = 14832]

9) Match List I with List II

List I	List II
(Disease)	(Causative agent)
A. Infectious catarrhal enteritis	I. <i>Histomonas meleagridis</i>
B. Dumdum fever	II. <i>Trypanosoma gambiense</i>
C. Sleeping sickness	III. <i>Leishmania donovani</i>
D. Infectious enterohepatitis	IV. <i>Hexamita meleagridis</i>
	V. <i>Trypanosoma evansi</i>

Choose the correct answer from the options given below:

[Question ID = 3709][Question Description = 109_119_BVA_SEP22_Q09]

1. A - I, B - II , C - IV , D - III [Option ID = 14833]
2. A - I , B - IV , C - II , D - III [Option ID = 14834]
3. A - IV, B - III , C - II , D - I [Option ID = 14835]
4. A - IV, B - III , C - V, D - I [Option ID = 14836]

10) Brood capsule is found in one of the following metacystode stage:

[Question ID = 3710][Question Description = 110_119_BVA_SEP22_Q10]

1. Hydatid cyst [Option ID = 14837]
2. *Cysticercoid* [Option ID = 14838]
3. *Strobilocercus* [Option ID = 14839]
4. *Cysticercus* stage [Option ID = 14840]

11) Acid fast staining is used for the identification of oocysts of following parasite:

[Question ID = 3711][Question Description = 111_119_BVA_SEP22_Q11]

1. *Toxoplasma gondii* [Option ID = 14841]
2. *Cryptosporidium parvum* [Option ID = 14842]
3. *Eimeria zuernii* [Option ID = 14843]
4. *Neospora caninum* [Option ID = 14844]

12) Scientific name of 'red mite of poultry' is:

[Question ID = 3712][Question Description = 112_119_BVA_SEP22_Q12]

1. *Ornithonyssus bursa* [Option ID = 14845]
2. *Dermanyssus gallinae* [Option ID = 14846]
3. *Cnemidocoptes mutans* [Option ID = 14847]
4. *Cnemidocoptes gallinae* [Option ID = 14848]

13) Following are the narrow spectrum anthelmintics except:

[Question ID = 3713][Question Description = 113_119_BVA_SEP22_Q13]

1. Imidazothiazole [Option ID = 14849]
2. Salicylanilides [Option ID = 14850]
3. Arsenicals [Option ID = 14851]
4. Organophosphates [Option ID = 14852]

14) An acute, highly contagious and immunosuppressive disease of young chicks characterized by haemorrhages in bursa of Fabricius, thigh and pectoral muscles is dignosed as:

[Question ID = 3714][Question Description = 114_119_BVA_SEP22_Q14]

1. Avian pox [Option ID = 14853]
2. Avian infectious bronchitis [Option ID = 14854]
3. Gumboro disease [Option ID = 14855]
4. Infectious laryngotracheitis [Option ID = 14856]

15) Rhomboid or diamond shaped areas of intense erythema in skin of pigs is characteristically observed in:

[Question ID = 3715][Question Description = 115_119_BVA_SEP22_Q15]

1. African swine fever [Option ID = 14857]
2. Classical swine fever [Option ID = 14858]
3. Swine influenza [Option ID = 14859]
4. Swine erysipelas [Option ID = 14860]

16) Mushy chick disease is also known as:

[Question ID = 3716][Question Description = 116_119_BVA_SEP22_Q16]

1. Salmonellosis [Option ID = 14861]
2. Colibacillosis [Option ID = 14862]
3. Pasteurellosis [Option ID = 14863]
4. Mycoplasmosis [Option ID = 14864]

17) Which of the following is the immune complex mediated nephritis?

[Question ID = 3717][Question Description = 117_119_BVA_SEP22_Q17]

1. Embolic nephritis [Option ID = 14865]
2. Glomerulonephritis [Option ID = 14866]
3. Interstitial nephritis [Option ID = 14867]
4. Pyelonephritis [Option ID = 14868]

18) Which of the following is not an epithelial tumour?

[Question ID = 3718][Question Description = 118_119_BVA_SEP22_Q18]

1. Papilloma [Option ID = 14869]
2. Adenoma [Option ID = 14870]
3. Carcinoma [Option ID = 14871]
4. Sarcoma [Option ID = 14872]

19) Which among the following could be the reasons for increased eosinophilia of cytoplasm of necrotic cells?

- A. Enzymatic degradation of cytoplasmic RNA
- B. Denaturation of cytoplasmic proteins giving rise to increased numbers of reactive sites for eosin
- C. Depletion of cytoplasmic glycogen
- D. Changes in concentration of intracellular ions
- E. Enzymatic degradation of cytoplasmic DNA

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

[Question ID = 3719][Question Description = 119_119_BVA_SEP22_Q19]

1. A, B and C only [Option ID = 14873]
2. C and D only [Option ID = 14874]
3. A and B only [Option ID = 14875]
4. C, D and E only [Option ID = 14876]

20) Which among the following are associated with strangles in horses?

- A. Equine distemper
- B. Stellate (star-shaped) lesions in nasal cavity
- C. Guttural pouch empyema
- D. Purpura haemorrhagica
- E. Melioidosis

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

[Question ID = 3720][Question Description = 120_119_BVA_SEP22_Q20]

1. A, B and C only [Option ID = 14877]
2. A, C and D only [Option ID = 14878]
3. B, D and E only [Option ID = 14879]
4. C, D and E only [Option ID = 14880]

21) Match List I with List II

List I	List II
Name of Inflammation	Organ
A. Spondylitis	I. Spinal cord
B. Myelitis	II. Caecum
C. Typhlitis	III. Vein
D. Phlebitis	IV. Vertebrae
	V. Rectum

Choose the correct answer from the options given below:

[Question ID = 3721][Question Description = 121_119_BVA_SEP22_Q21]

1. A - II, B - III, C - IV, D - I [Option ID = 14881]
2. A - III, B - V, C - I, D - II [Option ID = 14882]
3. A - IV, B - I, C - II, D - III [Option ID = 14883]
4. A - I, B - II, C - V, D - IV [Option ID = 14884]

22) Match List I with List II

List I	List II
A. Ulcerative lymphangitis	I. <i>Clostridium piliforme</i>
B. Epizootic lymphangitis	II. <i>Corynebacterium pseudotuberculosis</i>
C. Tyzzer's disease	III. <i>Haemophilus parasuis</i>
D. Glasser's disease	IV. <i>Histoplasma farciminosum</i>
	V. <i>Histomonas meleagridis</i>

Choose the correct answer from the options given below:

[Question ID = 3722][Question Description = 122_119_BVA_SEP22_Q22]

1. A - II, B - IV, C - I, D - III [Option ID = 14885]
2. A - III, B - II, C - V, D - I [Option ID = 14886]
3. A - III, B - IV, C - I, D - II [Option ID = 14887]
4. A - I, B - V, C - II, D - IV [Option ID = 14888]

23) Which of the following sequence is correct?

- A. Prorubricyte, Rubricyte, Rubriblast, Metarubricyte, Reticulocyte, Erythrocyte
- B. Rubriblast, Prorubricyte, Rubricyte, Metarubricyte, Reticulocyte, Erythrocyte
- C. Rubriblast, Prorubricyte, Rubricyte, Reticulocyte, Metarubricyte, Erythrocyte
- D. Rubricyte, Metarubricyte, Rubriblast, Prorubricyte, Metarubricyte, Erythrocyte
- E. Metarubricyte, Reticulocyte, Erythrocyte, Rubriblast, Prorubricyte, Rubricyte

Choose the *correct* answer from the options given below

[Question ID = 3723][Question Description = 123_119_BVA_SEP22_Q23]

1. E only [Option ID = 14889]
2. B only [Option ID = 14890]
3. A only [Option ID = 14891]
4. D only [Option ID = 14892]

24) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R
Assertion A : Turkey egg appearance of kidneys is characteristic lesion observed in Hog cholera.

Reason R : This is due to necrosis and presence of miliary nodules in kidneys.

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

[Question ID = 3724][Question Description = 124_119_BVA_SEP22_Q24]

1. Both A and R are true and R is the correct explanation of A [Option ID = 14893]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 14894]
3. A is true but R is false [Option ID = 14895]
4. A is false but R is true [Option ID = 14896]

25) Given below are two statements:

Statement I: *Babesia* infection causes haemolytic anaemia.

Statement II: The infected red blood cells are destroyed by antibody dependent cell mediated cytotoxicity. It leads to haemolytic anaemia.

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

[Question ID = 3725][Question Description = 125_119_BVA_SEP22_Q25]

1. Both Statement I and Statement II are true [Option ID = 14897]
2. Both Statement I and Statement II are false [Option ID = 14898]
3. Statement I is true but Statement II is false [Option ID = 14899]
4. Statement I is false but Statement II is true [Option ID = 14900]

26) The new name of causative agent of infectious coryza in chicken is:

[Question ID = 3726][Question Description = 126_119_BVA_SEP22_Q26]

1. *Pasteurella paragallinarum* [Option ID = 14901]
2. *Haemophilus paragallinarum* [Option ID = 14902]
3. *Avibacterium paragallinarum* [Option ID = 14903]
4. *Avibacter paragallinarum* [Option ID = 14904]

27) Which of the following is a liquid medium?

[Question ID = 3727][Question Description = 127_119_BVA_SEP22_Q27]

1. Baird Parker medium [Option ID = 14905]
2. Stonebrinks medium [Option ID = 14906]
3. Lowenstein-Jensen (LJ) medium [Option ID = 14907]
4. EMJH medium [Option ID = 14908]

28) A confirmatory test that is considered to be the gold standard worldwide for the diagnosis of scrapie in sheep is:

[Question ID = 3728][Question Description = 128_119_BVA_SEP22_Q28]

1. Immuno histo chemical (IHC) test [Option ID = 14909]
2. Fluorescent antibody test (FAT) [Option ID = 14910]
3. Electron microscopy [Option ID = 14911]
4. SDS-PAGE [Option ID = 14912]

29) Given below are two statements

Statement I: McFadyean reaction is done for the diagnosis of brucellosis.

Statement II: Loeffler's methylene blue is used for McFadyean reaction.

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

[Question ID = 3729][Question Description = 129_119_BVA_SEP22_Q29]

1. Both Statement I and Statement II are true
[Option ID = 14913]

2. Both Statement I and Statement II are false

[Option ID = 14914]

3. Statement I is true but Statement II is false

[Option ID = 14915]

4. Statement I is false but Statement II is true

[Option ID = 14916]

30) Which among the following bacteria are catalase negative?

A. *Streptococcus* and *Enterococcus*

B. *Brucella* and *Bacillus*

C. *Eubacterium suis* and *Fusobacterium*

D. *Clostridium* and *Borrelia burgdorferi*

E. *Pseudomonas* and *Pateurella*

Choose the correct answer from the options given below:

[Question ID = 3730][Question Description = 130_119_BVA_SEP22_Q30]

1. A, B, C and D only [Option ID = 14917]
2. A, B, D and E only [Option ID = 14918]
3. A, C and D only [Option ID = 14919]
4. A, B and E only [Option ID = 14920]

31) Match List I with List II

List I	List II
(Type of inclusion bodies)	(Type of viruses producing them)
A. Bollinger bodies	I. Smallpox virus
B. Guarnieri bodies	II. Herpes simplex virus
C. Cowdry type B bodies	III. Yellow fever virus
D. Cowdry type A bodies	IV. Poliovirus
	V. Fowlpox virus

Choose the correct answer from the options given below:

[Question ID = 3731][Question Description = 131_119_BVA_SEP22_Q31]

1. A - V, B - I, C - II, D - III [Option ID = 14921]
2. A - II, B - I, C - V, D - III [Option ID = 14922]
3. A - III, B - V, C - II, D - I [Option ID = 14923]
4. A - V, B - I, C - IV, D - II [Option ID = 14924]

32) Find the odd one out from the following:

[Question ID = 3732][Question Description = 132_119_BVA_SEP22_Q32]

1. *Microsporium* [Option ID = 14925]
2. *Trichosporon* [Option ID = 14926]
3. *Trichophyton* [Option ID = 14927]
4. *Epidermophyton* [Option ID = 14928]

33) Which of the followings is not a dimorphic fungi?

[Question ID = 3733][Question Description = 133_119_BVA_SEP22_Q33]

1. *Trichophyton verrucosum* [Option ID = 14929]
2. *Blastomyces dermatitidis* [Option ID = 14930]
3. *Histoplasma capsulatum* [Option ID = 14931]
4. *Coccidioides immitis* [Option ID = 14932]

34) Which of the followings is not true about canine distemper virus?

[Question ID = 3734][Question Description = 134_119_BVA_SEP22_Q34]

1. Closely related to measles and rinderpest virus. [Option ID = 14933]
2. Single stranded RNA virus. [Option ID = 14934]
3. Naked virus. [Option ID = 14935]
4. Relatively unstable outside the host. [Option ID = 14936]

35) Given below are two statements

Statement I: MHC-I molecules present epitopes to the TCRs of CD4+ T lymphocytes.

Statement II: Two domains of the same chain (alpha) of MHC-I molecule are involved in presenting epitopes to TCRs.

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

[Question ID = 3735][Question Description = 135_119_BVA_SEP22_Q35]

1. Both Statement I and Statement II are true [Option ID = 14937]
2. Both Statement I and Statement II are false [Option ID = 14938]
3. Statement I is true but Statement II is false [Option ID = 14939]
4. Statement I is false but Statement II is true [Option ID = 14940]

36) Which among the following pairs are matching?

- A. Papovaviruses - circular, ds DNA
- B. Reoviruses - linear, 10 to 12 segments of ss RNA
- C. Circoviruses - circular, ss DNA
- D. Parvoviruses - linear, ss DNA
- E. Retroviruses - linear, two identical, negative-sense ssRNA

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

[Question ID = 3736][Question Description = 136_119_BVA_SEP22_Q36]

1. A, B and D only [Option ID = 14941]
2. A, C and D only [Option ID = 14942]
3. A, C, D and E only [Option ID = 14943]
4. B, C and D only [Option ID = 14944]

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

Assertion A : *Brucella abortus* is partial acid fast bacteria so is usually stained by dilute carbol fuchsin (DCF) stain.

Reason R : *Brucella abortus* has little mycolic acids in their cell wall so it resists decolorization by weak acids only.

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

[Question ID = 3737][Question Description = 137_119_BVA_SEP22_Q37]

1. Both A and R are true and R is the correct explanation of A [Option ID = 14945]
2. Both A and R are true but R is NOT the correct explanation of A [Option ID = 14946]
3. A is true but R is false [Option ID = 14947]
4. A is false but R is true [Option ID = 14948]

38) Dilute carbol fuchsin (DCF) staining is used for:

[Question ID = 3738][Question Description = 138_119_BVA_SEP22_Q38]

1. *Fusobacterium necrophorum* [Option ID = 14949]
2. *Mycobacterium avium* subsp. *paratuberculosis* [Option ID = 14950]
3. *Brucella abortus* [Option ID = 14951]
4. *Campylobacter fetus* [Option ID = 14952]

39) Tuberculin test is a type of:

[Question ID = 3739][Question Description = 139_119_BVA_SEP22_Q39]

1. Precipitation test [Option ID = 14953]
2. Agglutination test [Option ID = 14954]
3. Hypersensitivity reaction test [Option ID = 14955]
4. Desensitization test [Option ID = 14956]

40) Organ first affected by rigor mortis is:[Question ID = 3740][Question Description = 140_119_BVA_SEP22_Q40]

1. Heart [Option ID = 14957]
2. Lung [Option ID = 14958]
3. Skeletal muscle [Option ID = 14959]
4. Diaphragm [Option ID = 14960]

41) The equipment used to determine the wind direction is:

[Question ID = 3741][Question Description = 141_119_BVA_SEP22_Q41]

1. Wind vane [Option ID = 14961]
2. Stevenson screen [Option ID = 14962]
3. Sling psychrometer [Option ID = 14963]
4. Barometer [Option ID = 14964]

42) Farmer's lung condition is caused by:

[Question ID = 3742][Question Description = 142_119_BVA_SEP22_Q42]

1. Silica
[Option ID = 14965]
2. Asbestos
[Option ID = 14966]
3. Hay or grain dust
[Option ID = 14967]
4. Asbestos
[Option ID = 14968]

43) Casoni's test is conducted for the diagnosis of:

[Question ID = 3743][Question Description = 143_119_BVA_SEP22_Q43]

1. Anthrax [Option ID = 14969]
2. Toxoplasmosis [Option ID = 14970]
3. Hydatidosis [Option ID = 14971]
4. Cysticercosis [Option ID = 14972]

44) World Rabies is celebrated on:

[Question ID = 3744][Question Description = 144_119_BVA_SEP22_Q44]

1. 17th July [Option ID = 14973]
2. 24th March [Option ID = 14974]
3. 9th November [Option ID = 14975]
4. 28th September [Option ID = 14976]

45) Operation Flood was launched in India in the year:

[Question ID = 3745][Question Description = 145_119_BVA_SEP22_Q45]

1. 1980 [Option ID = 14977]
2. 1960 [Option ID = 14978]
3. 1970 [Option ID = 14979]
4. 1995 [Option ID = 14980]

46) The study of outbreak of disease in a bird population is known as:

[Question ID = 3746][Question Description = 146_119_BVA_SEP22_Q46]

1. Ecthymology [Option ID = 14981]
2. Epornitic [Option ID = 14982]
3. Epizootology [Option ID = 14983]
4. Ecology [Option ID = 14984]

47) The ecosystem created by man:

[Question ID = 3747][Question Description = 147_119_BVA_SEP22_Q47]

1. Autochthonous [Option ID = 14985]
2. Synanthropic [Option ID = 14986]
3. Anthropogenic [Option ID = 14987]
4. Domicile [Option ID = 14988]

48) Watery pork is associated with:

[Question ID = 3748][Question Description = 148_119_BVA_SEP22_Q48]

1. Pale soft exudative meat [Option ID = 14989]
2. Dark, firm and dry meat [Option ID = 14990]
3. Cysticercosis [Option ID = 14991]
4. Emaciation [Option ID = 14992]

49) One of the best methods for cleaning and sanitizing milk processing facilities is:

[Question ID = 3749][Question Description = 149_119_BVA_SEP22_Q49]

1. Central cleaning system [Option ID = 14993]
2. Cleaning in place [Option ID = 14994]
3. Clean-out-of-place [Option ID = 14995]
4. Foam tanks [Option ID = 14996]

50) Match List I with List II

List I (Name of the disease)	List II (Alternative name of the disease)
A. Abattoir fever	I. Leptospirosis
B. Hydrophobia	II. Q fever
C. Seven day fever	III. Listeriosis
D. Bang's disease	IV. Rabies
	V. Brucellosis

Choose the correct answer from the options given below:

[Question ID = 3750][Question Description = 150_119_BVA_SEP22_Q50]

1. A - III, B - IV, C - II, D - V [Option ID = 14997]
2. A - V, B - IV, C - I, D - II [Option ID = 14998]
3. A - II, B - IV, C - V, D - III [Option ID = 14999]
4. A - II, B - IV, C - I, D - V [Option ID = 15000]

Topic: - 23 Veterinary Public Health and Epidemiology_PHD

1) Constant presence of a disease within a geographical area without importation of cases from outside is known as:

[Question ID = 3801][Question Description = 101_165_VPH_SEP22_Q01]

1. Epidemic [Option ID = 15201]
2. Endemic [Option ID = 15202]
3. Pandemic [Option ID = 15203]
4. Sporadic [Option ID = 15204]

2) Tularemia is more common in one amongst the following species:

[Question ID = 3802][Question Description = 102_165_VPH_SEP22_Q02]

1. Cows [Option ID = 15205]
2. Parrots [Option ID = 15206]
3. Rabbits [Option ID = 15207]
4. Swine [Option ID = 15208]

3) Among the following diseases, a typical example for saprozooses is:

[Question ID = 3803][Question Description = 103_165_VPH_SEP22_Q03]

1. Cutaneous larva migrans [Option ID = 15209]
2. Rabies [Option ID = 15210]
3. Salmonellosis [Option ID = 15211]
4. Q fever [Option ID = 15212]

4) Which one amongst the following is not considered as an agent of bioterrorism:

[Question ID = 3804][Question Description = 104_165_VPH_SEP22_Q04]

1. *Bacillus anthracis* [Option ID = 15213]
2. *Clostridium botulinum* [Option ID = 15214]
3. *Yersinia pestis* [Option ID = 15215]
4. *Mannheimia hemolytica* [Option ID = 15216]

5) The headquarters of OIE is located at:

[Question ID = 3805][Question Description = 105_165_VPH_SEP22_Q05]

1. Geneva [Option ID = 15217]
2. Paris [Option ID = 15218]
3. Rome [Option ID = 15219]
4. Washington [Option ID = 15220]

6) Volumetric method for determination of fat per cent of milk is:

[Question ID = 3806][Question Description = 106_165_VPH_SEP22_Q06]

1. Waste fall balance [Option ID = 15221]
2. Soxhlet method [Option ID = 15222]
3. Richmond sliding method [Option ID = 15223]
4. Gerber method [Option ID = 15224]

7) The National Institute for Communicable Diseases is now known as:

[Question ID = 3807][Question Description = 107_165_VPH_SEP22_Q07]

1. National Centre for Disease Control [Option ID = 15225]
2. Malaria Research Institute [Option ID = 15226]
3. National Health Institute [Option ID = 15227]
4. National Institute for Disease Control [Option ID = 15228]

8) The test used for determining the admixing of cow and buffalo milk is:

[Question ID = 3808][Question Description = 108_165_VPH_SEP22_Q08]

1. Sedimentation test [Option ID = 15229]
2. Hansa test [Option ID = 15230]
3. Clot on Boiling (COB) test [Option ID = 15231]
4. Alizarine test [Option ID = 15232]

9) Boiling point of milk is:

[Question ID = 3809][Question Description = 109_165_VPH_SEP22_Q09]

1. 100.5° C [Option ID = 15233]
2. 100.0° C [Option ID = 15234]
3. 101.5° C [Option ID = 15235]
4. 103.5° C [Option ID = 15236]

10) Which of the following statement is/ are true?

A. LTLT is a batch process

B. LTLT is a continuous process

C. HTST is a batch process

D. HTST is an energy efficient process

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

[Question ID = 3810][Question Description = 110_165_VPH_SEP22_Q10]

1. A, B and D [Option ID = 15237]
2. Only A [Option ID = 15238]
3. A and D [Option ID = 15239]
4. B and C [Option ID = 15240]

11) The OIE was established after the outbreak of one of the following diseases in cattle that were being exported to Brazil from India:

[Question ID = 3811][Question Description = 111_165_VPH_SEP22_Q11]

1. Rinderpest [Option ID = 15241]
2. Foot and Mouth Disease [Option ID = 15242]
3. Bovine babesiosis [Option ID = 15243]
4. Tuberculosis [Option ID = 15244]

12) The Animal Welfare Board of India is under the administrative control of:

[Question ID = 3812][Question Description = 112_165_VPH_SEP22_Q12]

1. Ministry of Fisheries, Animal Husbandry and Dairying [Option ID = 15245]
2. Ministry of Science and Technology [Option ID = 15246]
3. Ministry of Agriculture and Farmers' Welfare [Option ID = 15247]
4. Ministry of Environment, Forest and Climate Change [Option ID = 15248]

13) The first outbreak of Avian Influenza in India was recorded in:

[Question ID = 3813][Question Description = 113_165_VPH_SEP22_Q13]

1. January, 2009 [Option ID = 15249]
2. April, 2008 [Option ID = 15250]
3. February, 2006 [Option ID = 15251]
4. August, 1999 [Option ID = 15252]

14) Cohort study is a:

[Question ID = 3814][Question Description = 114_165_VPH_SEP22_Q14]

1. Retrospective study [Option ID = 15253]
2. Prospective study [Option ID = 15254]
3. Clinical study [Option ID = 15255]
4. Experimental study [Option ID = 15256]

15) Which of the following is the most safest and satisfactory source of water supply?

[Question ID = 3815][Question Description = 115_165_VPH_SEP22_Q15]

1. Shallow well [Option ID = 15257]
2. Ground water [Option ID = 15258]
3. River water [Option ID = 15259]
4. Deep well [Option ID = 15260]

16) Drinking water should be:

[Question ID = 3816][Question Description = 116_165_VPH_SEP22_Q16]

1. Soft [Option ID = 15261]
2. Hard [Option ID = 15262]
3. Very soft [Option ID = 15263]
4. Moderately hard [Option ID = 15264]

17) Potassium permanganate is used for water treatment at a concentration of:

[Question ID = 3817][Question Description = 117_165_VPH_SEP22_Q17]

1. 0.5-1 mg/L [Option ID = 15265]
2. 1-2 mg/L [Option ID = 15266]
3. 3.5 mg/L [Option ID = 15267]
4. 5 mg/L [Option ID = 15268]

18) Solid content of sewage is approximately:

[Question ID = 3818][Question Description = 118_165_VPH_SEP22_Q18]

1. 0.5% [Option ID = 15269]
2. 0.1% [Option ID = 15270]
3. 1.0% [Option ID = 15271]
4. 2% [Option ID = 15272]

19) The test recommended to detect the dehydrogenase activity of bacteria in milk is:

[Question ID = 3819][Question Description = 119_165_VPH_SEP22_Q19]

1. MBRT [Option ID = 15273]
2. ABRT [Option ID = 15274]
3. Sterility test [Option ID = 15275]
4. Clot on boiling test [Option ID = 15276]

20) The most common time-temperature combination used in HTST method of pasteurization is:

[Question ID = 3820][Question Description = 120_165_VPH_SEP22_Q20]

1. 72°F for 15 sec [Option ID = 15277]
2. 72°C for 15 sec [Option ID = 15278]
3. 72°F for 15 min [Option ID = 15279]
4. 72°C for 15 min [Option ID = 15280]

21) Ropiness in milk is mainly caused by:

[Question ID = 3821][Question Description = 121_165_VPH_SEP22_Q21]

1. *Streptococcus lactis* [Option ID = 15281]
2. *Lactobacillus casei* [Option ID = 15282]
3. *Bacillus subtilis* [Option ID = 15283]
4. *Alkaligenes viscolactis* [Option ID = 15284]

22) Who is the first Indian to occupy the position of Deputy Director General of WHO:

[Question ID = 3822][Question Description = 122_165_VPH_SEP22_Q22]

1. Dr. D. T. Mourya [Option ID = 15285]

2. Dr. Soumya Swaminathan [Option ID = 15286]
3. Dr. Balram Bhargava [Option ID = 15287]
4. Dr. Priya Abraham [Option ID = 15288]

23) Group of insecticides that constitute the principal health hazard to consumers of milk and milk products are:

[Question ID = 3823][Question Description = 123_165_VPH_SEP22_Q23]

1. Organosulphates [Option ID = 15289]
2. Organophosphates [Option ID = 15290]
3. Chlorinated hydrocarbons [Option ID = 15291]
4. Activated chlorinates [Option ID = 15292]

24) Which of the following species is known to be resistant to leptospirosis?

[Question ID = 3824][Question Description = 124_165_VPH_SEP22_Q24]

1. Swine [Option ID = 15293]
2. Ovine [Option ID = 15294]
3. Chicken [Option ID = 15295]
4. Equine [Option ID = 15296]

25) Ante-mortem inspection fails to detect one of the following diseases:

[Question ID = 3825][Question Description = 125_165_VPH_SEP22_Q25]

1. Tuberculosis [Option ID = 15297]
2. Brucellosis [Option ID = 15298]
3. Salmonellosis [Option ID = 15299]
4. Hydatidosis [Option ID = 15300]

26) If milk is adulterated with water, the boiling point of milk will:

[Question ID = 3826][Question Description = 126_165_VPH_SEP22_Q26]

1. Increase [Option ID = 15301]
2. Decrease [Option ID = 15302]
3. Remain constant [Option ID = 15303]
4. Double [Option ID = 15304]

27) Measures put in to place to reduce morbidity and mortality due to a disease in a population is better known as:

[Question ID = 3827][Question Description = 127_165_VPH_SEP22_Q27]

1. Prevention [Option ID = 15305]
2. Control [Option ID = 15306]
3. Eradication [Option ID = 15307]
4. Elimination [Option ID = 15308]

28) *Staphylococcus aureus* causes food poisoning mostly by:

[Question ID = 3828][Question Description = 128_165_VPH_SEP22_Q28]

1. Infection [Option ID = 15309]
2. Intoxication [Option ID = 15310]
3. Inhalation [Option ID = 15311]
4. Toxicoinfection [Option ID = 15312]

29) Rabies is classified as a:

[Question ID = 3829][Question Description = 129_165_VPH_SEP22_Q29]

1. Direct anthroozoonosis [Option ID = 15313]
2. Metazoonosis [Option ID = 15314]
3. Cyclozoonosis [Option ID = 15315]
4. Saprozoonosis [Option ID = 15316]

30) Rabies in bats is common in:

[Question ID = 3830][Question Description = 130_165_VPH_SEP22_Q30]

1. America [Option ID = 15317]
2. Australia [Option ID = 15318]
3. Antarctica [Option ID = 15319]
4. Europe [Option ID = 15320]

31) Ortho-tolidine test is used to detect:

[Question ID = 3831][Question Description = 131_165_VPH_SEP22_Q31]

1. Chlorine in water [Option ID = 15321]
2. Flourine in water [Option ID = 15322]
3. Iodine in water [Option ID = 15323]
4. Water hardness [Option ID = 15324]

32) Rabies immunoglobulins (RIG) are absolutely essential in case of:

[Question ID = 3832][Question Description = 132_165_VPH_SEP22_Q32]

1. Class - I exposure [Option ID = 15325]
2. Class - II exposure [Option ID = 15326]
3. Class - III exposure [Option ID = 15327]
4. Both Class - I and Class - II exposures [Option ID = 15328]

33) DOTS strategy has been globally recognized as the best cost effective approach for the control of:

[Question ID = 3833][Question Description = 133_165_VPH_SEP22_Q33]

1. Leprosy [Option ID = 15329]
2. Tuberculosis [Option ID = 15330]
3. Polio [Option ID = 15331]
4. Measles [Option ID = 15332]

34) Rabies virus transmission from dogs to humans is intensified once the density of susceptible dogs exceeds:

[Question ID = 3834][Question Description = 134_165_VPH_SEP22_Q34]

1. 4.5 dogs /sq. km. [Option ID = 15333]
2. 45 dogs / sq. km. [Option ID = 15334]
3. 20 dogs / sq. km. [Option ID = 15335]
4. 400 dogs / sq. km. [Option ID = 15336]

35) The regional office of WHO for South East Asia is located at:

[Question ID = 3835][Question Description = 135_165_VPH_SEP22_Q35]

1. Manila [Option ID = 15337]
2. New Delhi [Option ID = 15338]
3. Colombo [Option ID = 15339]
4. Geneva [Option ID = 15340]

36) Babcock method for testing milk helps in determining the:

[Question ID = 3836][Question Description = 136_165_VPH_SEP22_Q36]

1. Sickness in cow [Option ID = 15341]
2. Fat in milk [Option ID = 15342]
3. SNF in milk [Option ID = 15343]
4. Protein in milk [Option ID = 15344]

37) Siderosis is caused by:

[Question ID = 3837][Question Description = 137_165_VPH_SEP22_Q37]

1. Coal dust [Option ID = 15345]
2. Silica [Option ID = 15346]
3. Asbestos [Option ID = 15347]
4. Iron [Option ID = 15348]

38) The maximum acceptable count of *E. coli* in water intended for drinking purpose should be:

[Question ID = 3838][Question Description = 138_165_VPH_SEP22_Q38]

1. 0 in 100 ml of water [Option ID = 15349]
2. 1 in 100 ml of water [Option ID = 15350]
3. 10 in 100 ml of water [Option ID = 15351]
4. 100 in 100 ml of water [Option ID = 15352]

39) Blue discolouration of milk is due to:

[Question ID = 3839][Question Description = 139_165_VPH_SEP22_Q39]

1. *Pseudomonas fluorescens* [Option ID = 15353]
2. *Pseudomonas synxantha* [Option ID = 15354]
3. *Pseudomonas syncyanea* [Option ID = 15355]
4. *Alkaligenes viscolactis* [Option ID = 15356]

40) The international regulatory body involved in formulating standards for veterinary drugs, pesticides, food additives and contaminants is:

[Question ID = 3840][Question Description = 140_165_VPH_SEP22_Q40]

1. CDC, USA [Option ID = 15357]
2. ILRI, Kenya [Option ID = 15358]
3. Codex Alimentarius Commission, Rome [Option ID = 15359]
4. FSSAI, New Delhi [Option ID = 15360]

41) Diseases and related events depicted in chronological order along a horizontal line is known as:

[Question ID = 3841][Question Description = 141_165_VPH_SEP22_Q41]

1. Time controlled graph [Option ID = 15361]
2. Time-trend graph [Option ID = 15362]
3. Timeline [Option ID = 15363]
4. Trend line [Option ID = 15364]

42) Smallest spatial unit providing uniform condition for life is a:

[Question ID = 3842][Question Description = 142_165_VPH_SEP22_Q42]

1. Biotope [Option ID = 15365]
2. Biocenosis [Option ID = 15366]
3. Biome [Option ID = 15367]
4. Biotype [Option ID = 15368]

43) In a population of 50 animals, 30 manifest signs of a disease and 10 of them died. The mortality and case fatality rates, respectively are:

[Question ID = 3843][Question Description = 143_165_VPH_SEP22_Q43]

1. 20; 5 [Option ID = 15369]
2. 20; 33.3 [Option ID = 15370]
3. 33.3; 5 [Option ID = 15371]
4. 5; 20 [Option ID = 15372]

44) The unit used in slaughter house to measure different species of food animals is known as:

[Question ID = 3844][Question Description = 144_165_VPH_SEP22_Q44]

1. Animal unit [Option ID = 15373]
2. Livestock unit [Option ID = 15374]
3. Meat unit [Option ID = 15375]
4. Slaughter unit [Option ID = 15376]

45) A milliliter of milk at 60 °F weighs:

[Question ID = 3845][Question Description = 145_165_VPH_SEP22_Q45]

1. 1.032 gm [Option ID = 15377]
2. 1.0 gm [Option ID = 15378]
3. 1.5 gm [Option ID = 15379]
4. 0.5 gm [Option ID = 15380]

46) Delay between electric stunning and sticking in pigs during slaughter results in one of the following conditions in the carcass:

[Question ID = 3846][Question Description = 146_165_VPH_SEP22_Q46]

1. Watery pork [Option ID = 15381]
2. Black bleeding [Option ID = 15382]
3. Blood splashing [Option ID = 15383]
4. DFD pork [Option ID = 15384]

47) Carcass from animals died of some causes and not slaughtered is termed as:

[Question ID = 3847][Question Description = 147_165_VPH_SEP22_Q47]

1. Casualty slaughter [Option ID = 15385]
2. Non-slaughter [Option ID = 15386]
3. Cold slaughter [Option ID = 15387]
4. Condemned animal [Option ID = 15388]

48) The first zoonotic disease to be discussed in the first World Health Assembly in 1948 was:

[Question ID = 3848][Question Description = 148_165_VPH_SEP22_Q48]

1. Rabies [Option ID = 15389]
2. Ebola virus [Option ID = 15390]
3. Leptospirosis [Option ID = 15391]
4. Tuberculosis [Option ID = 15392]

49) Match List I with List II

List I	List II
(Enzymes/Reagents)	(Indication/Use)
A. Cathepsins	I. Animal stress
B. Epinephrine	II. Carcinogenic
C. Nitrosamines	III. Mosquito control
D. Ozone	IV. Rigor mortis resolution
	V. Disinfectant

Choose the correct answer from the options given below:

[Question ID = 3849][Question Description = 149_165_VPH_SEP22_Q49]

1. A-IV, B-I, C-II, D-V [Option ID = 15393]
2. A-II B-I, C-III, D-V [Option ID = 15394]
3. A-V, B-IV, C-III, D-I [Option ID = 15395]
4. A-III, B-I, C-V, D-II [Option ID = 15396]

50) Match List I with List II

List I	List II
(Institute)	(Headquarter)
A. AIHH & PH	I. New Delhi
B. NIVEDI	II. Anand
C. NCDC	III. Ahmedabad
D. NDDB	IV. Bengaluru
	V. Kolkata

Choose the correct answer from the options given below:

[Question ID = 3850][Question Description = 150_165_VPH_SEP22_Q50]

1. A-IV, B-V, C-III, D-I [Option ID = 15397]
2. A-II, B-V, C-III, D-IV [Option ID = 15398]
3. A-V, B-IV, C-I, D-II [Option ID = 15399]
4. A-III, B-V, C-II, D-I [Option ID = 15400]