

26 Veterinary Medicine 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 3_PHD

1) Which of the disease in cattle manifests oral lesions with diarrhoea?[Question ID = 3951][Question Description = 101_126_BAS_SEP22_Q01]

1. FMD [Option ID = 15801]
2. Bluetongue [Option ID = 15802]
3. Vesicular stomatitis [Option ID = 15803]
4. Bovine malignant catarrh [Option ID = 15804]

2) The precaution to be advised to the care taker during drenching in a cow to prevent aspiration is[Question ID = 3952][Question Description = 102_126_BAS_SEP22_Q02]

1. Do not hold tongue [Option ID = 15805]
2. Do not raise head too high [Option ID = 15806]
3. Both of the above [Option ID = 15807]
4. None of the above [Option ID = 15808]

3) Koch's blue body in theileriosis is found in[Question ID = 3953][Question Description = 103_126_BAS_SEP22_Q03]

1. RBCs [Option ID = 15809]
2. Platelets [Option ID = 15810]
3. Neutrophils [Option ID = 15811]
4. Lymphocytes [Option ID = 15812]

4) Which of the following is not a causative agent of kennel cough complex in Dog?

[Question ID = 3954][Question Description = 104_126_BAS_SEP22_Q04]

1. *Bordetella bronchiseptica*
[Option ID = 15813]
2. Canine parainfluenza virus
[Option ID = 15814]
3. *Mycoplasma* spp.
[Option ID = 15815]
4. *Brucella canis*
[Option ID = 15816]

5) Which of the following tests is used for the diagnosis of bovine tuberculosis?[Question ID = 3955][Question Description = 105_126_BAS_SEP22_Q05]

1. Gram staining, Intradermal testing and PCR [Option ID = 15817]
2. Gram staining, Intradermal testing and Histopathology [Option ID = 15818]
3. Intradermal testing, cultural isolation and PCR [Option ID = 15819]
4. Gram staining, Intradermal testing and cultural isolation [Option ID = 15820]

6) Heaves is a condition observed in which species of animals?[Question ID = 3956][Question Description = 106_126_BAS_SEP22_Q06]

1. Cattle [Option ID = 15821]
2. Goat [Option ID = 15822]
3. Horse [Option ID = 15823]
4. Dog [Option ID = 15824]

7) Which serotype of FMD virus is responsible for approximately 70% of outbreaks globally?[Question ID = 3957][Question Description = 107_126_BAS_SEP22_Q07]

1. A [Option ID = 15825]
2. C [Option ID = 15826]
3. O [Option ID = 15827]
4. SAT-1 [Option ID = 15828]

8) Which is the drug of choice for treatment of babesiosis in cattle?[Question ID = 3958][Question Description = 108_126_BAS_SEP22_Q08]

1. Diamenazine aceturate [Option ID = 15829]
2. Buparvaquone [Option ID = 15830]
3. Tetracycline [Option ID = 15831]
4. Doxycycline [Option ID = 15832]

9) Chorea in dogs occurs as a sequel to[Question ID = 3959][Question Description = 109_126_BAS_SEP22_Q09]

1. Infectious canine hepatitis [Option ID = 15833]
2. Canine Distemper [Option ID = 15834]
3. Canine Parvovirus infection [Option ID = 15835]
4. Kennel Cough [Option ID = 15836]

10) Rothera's test is employed for detection of[Question ID = 3960][Question Description = 110_126_BAS_SEP22_Q10]

1. Pregnancy toxemia [Option ID = 15837]
2. Parturient paresis [Option ID = 15838]
3. Ketosis [Option ID = 15839]
4. Fat cow syndrome [Option ID = 15840]

11) Formation of sex pilus is one of the important steps in the transfer of genes of drug resistance during[Question ID = 3961][Question Description = 111_126_BAS_SEP22_Q11]

1. Transformation [Option ID = 15841]
2. Transduction [Option ID = 15842]
3. Translation [Option ID = 15843]
4. Conjugation [Option ID = 15844]

12) In animals biphasic response on blood pressure is observed on administration of:[Question ID = 3962][Question Description = 112_126_BAS_SEP22_Q12]

1. Epinephrine [Option ID = 15845]
2. Norepinephrine [Option ID = 15846]
3. Isoprenaline [Option ID = 15847]
4. Ephedrine [Option ID = 15848]

13) The sub-discipline of toxicology that deals with administrative functions, impose rules and regulations for toxicological testing before launching a drug in the market is called[Question ID = 3963][Question Description = 113_126_BAS_SEP22_Q13]

1. Forensic toxicology [Option ID = 15849]
2. Regulatory toxicology [Option ID = 15850]
3. Experimental toxicology [Option ID = 15851]
4. Toxicodynamics [Option ID = 15852]

14) Bizarre effect of drug belongs to which type of adverse drug reactions:[Question ID = 3964][Question Description = 114_126_BAS_SEP22_Q14]

1. Type A [Option ID = 15853]
2. Type B [Option ID = 15854]
3. Type C [Option ID = 15855]
4. Type D [Option ID = 15856]

15) In pigs characteristic eosinophilic meningoencephalitis is seen during the intoxication of[Question ID = 3965][Question Description = 115_126_BAS_SEP22_Q15]

1. Cadmium Chloride [Option ID = 15857]
2. Hydrocyanic acid [Option ID = 15858]
3. Sodium chloride [Option ID = 15859]
4. Calcium Oxalate [Option ID = 15860]

16) Drugs are considered relatively safe and can be sold without physician's consultation or over the counter are known as[Question ID = 3966][Question Description = 116_126_BAS_SEP22_Q16]

1. Non-prescription drugs [Option ID = 15861]

2. Prescription drugs [Option ID = 15862]
3. Prototype drugs [Option ID = 15863]
4. Orphan drugs [Option ID = 15864]

17) Interaction of British anti-lewisite (BAL) with heavy metals is a type of:[Question ID = 3967][Question Description = 117_126_BAS_SEP22_Q17]

1. Physiological Antagonism [Option ID = 15865]
2. Chemical Antagonism [Option ID = 15866]
3. Physical Antagonism [Option ID = 15867]
4. Pharmacological Antagonism [Option ID = 15868]

18) The study of prediction of drug responses between individual on their genetic makeup is:[Question ID = 3968][Question Description = 118_126_BAS_SEP22_Q18]

1. Pharmacokinetics [Option ID = 15869]
2. Pharmacogenomics [Option ID = 15870]
3. Pharmacodynamics [Option ID = 15871]
4. Pharmacogenetics [Option ID = 15872]

19) Which of the following drug produce diuretic action by inhibiting the activity of carbonic anhydrase enzyme in renal tubules:[Question ID = 3969][Question Description = 119_126_BAS_SEP22_Q19]

1. Furosemide [Option ID = 15873]
2. Spironolactone [Option ID = 15874]
3. Mannitol [Option ID = 15875]
4. Acetazolamide [Option ID = 15876]

20) Chemical nature of most of the receptor molecules is:[Question ID = 3970][Question Description = 120_126_BAS_SEP22_Q20]

1. Nucleic acid [Option ID = 15877]
2. Carbohydrates [Option ID = 15878]
3. Lipids [Option ID = 15879]
4. Proteins [Option ID = 15880]

21) Wryneck dystocia is corrected by:[Question ID = 3971][Question Description = 121_126_BAS_SEP22_Q21]

1. Rotation [Option ID = 15881]
2. Version [Option ID = 15882]
3. Traction [Option ID = 15883]
4. Fetotomy [Option ID = 15884]

22) Arrange following species in ascending numbers of diploid chromosomes:

- A. Horse
- B. Donkey
- C. Sheep
- D. Pig
- E. Cattle

Choose the *correct* answer from the options given below

[Question ID = 3972][Question Description = 122_126_BAS_SEP22_Q22]

1. A, C, B, D, E [Option ID = 15885]
2. E, A, C, B, D [Option ID = 15886]
3. D, C, E, B, A [Option ID = 15887]
4. E, A, B, D, E [Option ID = 15888]

23) Fetal monster having marked ventral curvature of spine, laterally bent body and chest walls and exposed abdominal viscera is called:[Question ID = 3973][Question Description = 123_126_BAS_SEP22_Q23]

1. Perosomus elumbis [Option ID = 15889]
2. Schistosomus reflexus [Option ID = 15890]
3. Campylorachis scoliosa [Option ID = 15891]
4. Perosomus horridus [Option ID = 15892]

24) Relaxin is secreted primarily by:[Question ID = 3974][Question Description = 124_126_BAS_SEP22_Q24]

1. Follicle [Option ID = 15893]
2. Fallopian tube [Option ID = 15894]

3. Pituitary [Option ID = 15895]
4. Corpus Luteum [Option ID = 15896]

25) At the time of ovulation oocytes are at[Question ID = 3975][Question Description = 125_126_BAS_SEP22_Q25]

1. Dictyate stage [Option ID = 15897]
2. Prophase-I [Option ID = 15898]
3. Metaphase stage [Option ID = 15899]
4. Anaphase-II [Option ID = 15900]

26) The semen extender used for storage of semen at ambient temperature

A. IVT

B. EYC

C. CUE

D. EYP

E. TEYG

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

[Question ID = 3976][Question Description = 126_126_BAS_SEP22_Q26]

1. A, B and D only [Option ID = 15901]
2. A and C only [Option ID = 15902]
3. B, D and E only [Option ID = 15903]
4. A and E only [Option ID = 15904]

27) Which of the following gas mixtures gives better environment in incubator for oocyte/ embryo culture?[Question ID = 3977][Question Description = 127_126_BAS_SEP22_Q27]

1. CO₂ 5% and N₂ 95% [Option ID = 15905]
2. CO₂ 5% and O₂ 95% [Option ID = 15906]
3. CO₂ 5%, O₂ 5% and N₂ 90% [Option ID = 15907]
4. CO₂ 5% [Option ID = 15908]

28) Which of the following is not used for making Dulbecco's Phosphate-Buffered Saline solution ?[Question ID = 3978]
[Question Description = 128_126_BAS_SEP22_Q28]

1. Na₂HPO₄ [Option ID = 15909]
2. KH₂PO₄ [Option ID = 15910]
3. NaHCO₃ [Option ID = 15911]
4. MgSO₄.7H₂O [Option ID = 15912]

29) One of the following has largest corpora hemorrhagica among domestic animals[Question ID = 3979][Question Description = 129_126_BAS_SEP22_Q29]

1. Cow [Option ID = 15913]
2. Buffalo [Option ID = 15914]
3. Mare [Option ID = 15915]
4. Sheep [Option ID = 15916]

30) In which of the following, embryo from fallopian tube reach in uterus sooner than other domestic species[Question ID = 3980][Question Description = 130_126_BAS_SEP22_Q30]

1. Sheep [Option ID = 15917]
2. Sow [Option ID = 15918]
3. Mare [Option ID = 15919]
4. Cow [Option ID = 15920]

31) A reduction in blood volume of.....% will result into fatal consequences unless appropriate therapy is initiated in dogs:
[Question ID = 3981][Question Description = 131_126_BAS_SEP22_Q31]

1. 10-15% [Option ID = 15921]
2. 20-35% [Option ID = 15922]
3. More than 40% [Option ID = 15923]
4. 5-10% [Option ID = 15924]

32) The cation with highest concentration in the body is:

[Question ID = 3982][Question Description = 132_126_BAS_SEP22_Q32]

1. Potassium [Option ID = 15925]
2. Magnesium [Option ID = 15926]

3. Calcium [Option ID = 15927]
4. Sodium [Option ID = 15928]

33) High doses of following vitamin will significantly retards the wound healing and collagen production:[Question ID = 3983][Question Description = 133_126_BAS_SEP22_Q33]

1. Vitamin A [Option ID = 15929]
2. Vitamin E [Option ID = 15930]
3. Vitamin C [Option ID = 15931]
4. Vitamin B [Option ID = 15932]

34) The bard parker number 4 handle can accept the blades with number:

- A. 11
- B. 12
- C. 20
- D. 22
- E. 11

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

[Question ID = 3984][Question Description = 134_126_BAS_SEP22_Q34]

1. A and D only [Option ID = 15933]
2. C and D only [Option ID = 15934]
3. E only [Option ID = 15935]
4. B and C only [Option ID = 15936]

35) Is essentially the visualisation of a live or real time radiographic image:[Question ID = 3985][Question Description = 135_126_BAS_SEP22_Q35]

1. Digital radiography [Option ID = 15937]
2. CT scanning [Option ID = 15938]
3. Fluoroscopy [Option ID = 15939]
4. CR system [Option ID = 15940]

36) The number of x-rays produced is controlled by :[Question ID = 3986][Question Description = 136_126_BAS_SEP22_Q36]

1. Kvp [Option ID = 15941]
2. mA-s [Option ID = 15942]
3. FFD [Option ID = 15943]
4. mA [Option ID = 15944]

37) It takes _____ for complete growth of new horn replacement of horse foot from the coronet:[Question ID = 3987][Question Description = 137_126_BAS_SEP22_Q37]

1. 1 year [Option ID = 15945]
2. 3 months [Option ID = 15946]
3. 3 weeks [Option ID = 15947]
4. 9 months [Option ID = 15948]

38) Stenson's duct drains:[Question ID = 3988][Question Description = 138_126_BAS_SEP22_Q38]

1. Sebaceous gland [Option ID = 15949]
2. Parotid gland [Option ID = 15950]
3. Lacrymal gland [Option ID = 15951]
4. Submandibular gland [Option ID = 15952]

39) Fracture that results due to violent muscle contraction is :

[Question ID = 3989][Question Description = 139_126_BAS_SEP22_Q39]

1. Compression fracture [Option ID = 15953]
2. Hair line fracture [Option ID = 15954]
3. Avulsion fracture [Option ID = 15955]
4. Spiral fracture [Option ID = 15956]

40) Calculi made up of oxalates and carbonates of Ca/Mg/NH₄ are seen in urine with pH value:

[Question ID = 3990][Question Description = 140_126_BAS_SEP22_Q40]

1. 8-9

[Option ID = 15957]

2. 9-10

[Option ID = 15958]

3. 3-4

[Option ID = 15959]

4. 7-8

[Option ID = 15960]

41) 1st foetal blood cells and blood vessels develop in:[Question ID = 3991][Question Description = 141_126_BAS_SEP22_Q41]

1. Amnion [Option ID = 15961]
2. Allantois [Option ID = 15962]
3. Yolk sac [Option ID = 15963]
4. Chorion [Option ID = 15964]

42) Round ligament of liver is the foetal remnant of:[Question ID = 3992][Question Description = 142_126_BAS_SEP22_Q42]

1. Umbilical vein [Option ID = 15965]
2. Umbilical artery [Option ID = 15966]
3. Ductus arteriosus [Option ID = 15967]
4. omentum [Option ID = 15968]

43) Which of the following is not the content of femoral canal:[Question ID = 3993][Question Description = 143_126_BAS_SEP22_Q43]

1. Femoral nerve [Option ID = 15969]
2. Femoral artery [Option ID = 15970]
3. Femoral vein [Option ID = 15971]
4. Internal Saphenous nerve [Option ID = 15972]

44) The macrophages of nervous tissue are known as:[Question ID = 3994][Question Description = 144_126_BAS_SEP22_Q44]

1. Astrocyte [Option ID = 15973]
2. Ependymal cells [Option ID = 15974]
3. Microglia [Option ID = 15975]
4. Oligodendroglia [Option ID = 15976]

45) Match List I with List II

List I	List II
A. cruciate ligament	I. pelvic brim
B. Archiform ligament	II. spinal cord
C. linea splendens	III. elbow joint
D. linea terminalis	IV. Brain
	V. Stifle joint

Choose the correct answer from the options given below:

[Question ID = 3995][Question Description = 145_126_BAS_SEP22_Q45]

1. A - V, B - III, C - II, D - IV [Option ID = 15977]
2. A - V, B - III, C - IV, D - I [Option ID = 15978]
3. A - V, B - I, C - II, D - IV [Option ID = 15979]
4. A - V, B - IV, C - III, D - I [Option ID = 15980]

46) Roaring disease in equines occurs due to the paralysis of:[Question ID = 3996][Question Description = 146_126_BAS_SEP22_Q46]

1. Suprascapular nerve [Option ID = 15981]
2. Lingual nerve [Option ID = 15982]
3. Recurrent laryngeal nerve [Option ID = 15983]
4. Trigeminal nerve [Option ID = 15984]

47) Which of the following abdominal muscle do not take part in Linea alba:[Question ID = 3997][Question Description = 147_126_BAS_SEP22_Q47]

1. Obliquus abdominis externus muscle [Option ID = 15985]
2. Obliquus abdominis internus muscle [Option ID = 15986]

3. Transversus abdominis muscle [Option ID = 15987]
4. Rectus abdominis muscle [Option ID = 15988]

48) Which of the following cell is associated with Howship's lacuna:[Question ID = 3998][Question Description = 148_126_BAS_SEP22_Q48]

1. Osteoblast [Option ID = 15989]
2. Osteocyte [Option ID = 15990]
3. Osteoclast [Option ID = 15991]
4. Both 1 & 2 [Option ID = 15992]

49) Infection of bones is common in birds due to:[Question ID = 3999][Question Description = 149_126_BAS_SEP22_Q49]

1. Presence of air sacs [Option ID = 15993]
2. Bones are connected with air sacs [Option ID = 15994]
3. Birds are omnivores [Option ID = 15995]
4. 2 and 3 [Option ID = 15996]

50) Arrange the steps of fertilization sequence wise:

- A. Copulation
- B. Acrosome reaction
- C. Capacitation
- D. Pronuclei formation
- E. Oocyte activation

Choose the *correct* answer from the options given below

[Question ID = 4000][Question Description = 150_126_BAS_SEP22_Q50]

1. A, C, B, D, E
[Option ID = 15997]
2. A, C, B, E, D
[Option ID = 15998]
3. A, B, C, E, D
[Option ID = 15999]
4. A, B, C, D, E
[Option ID = 16000]

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1) Bluetongue virus is transmitted biologically by[Question ID = 4001][Question Description = 101_130_VRM_SEP22_Q01]

1. Mites [Option ID = 16001]
2. Ticks [Option ID = 16002]
3. Culicoides [Option ID = 16003]
4. Lice [Option ID = 16004]

2) In which disease, heavy, gray-white crusty lesion raised perceptibly above the skin (asbestos like lesion) are observed in a calf?

[Question ID = 4002][Question Description = 102_130_VRM_SEP22_Q02]

1. Demodicosis [Option ID = 16005]
2. Ringworm infection [Option ID = 16006]
3. Dermatophilosis [Option ID = 16007]
4. Allergic dermatitis [Option ID = 16008]

3) Distension of synovial capsule of the fetlock joint is termed as

[Question ID = 4003][Question Description = 103_130_VRM_SEP22_Q03]

1. Thrush [Option ID = 16009]
2. Sweeny [Option ID = 16010]
3. Thorough pin [Option ID = 16011]
4. Wing galls [Option ID = 16012]

4) The immediate cause of death from wounds in an animal is

A. Infection

- B. Haemorrhage
- C. Shock
- D. Injury to vital organ
- E. Asphyxia

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

[Question ID = 4004][Question Description = 104_130_VRM_SEP22_Q04]

1. A, B and C only [Option ID = 16013]
2. B, C and D only [Option ID = 16014]
3. C, D and E only [Option ID = 16015]
4. D and E only [Option ID = 16016]

5) Imported birds shall be kept under observation for a period of at least[Question ID = 4005][Question Description = 105_130_VRM_SEP22_Q05]

1. 56 days [Option ID = 16017]
2. 26 days [Option ID = 16018]
3. 51 days [Option ID = 16019]
4. 21 days [Option ID = 16020]

6) Goat pox virus infects[Question ID = 4006][Question Description = 106_130_VRM_SEP22_Q06]

1. Goat only [Option ID = 16021]
2. Sheep only [Option ID = 16022]
3. Sheep and goat both [Option ID = 16023]
4. Goat occasionally [Option ID = 16024]

7) For the control of outbreak of black leg, the following should be practiced[Question ID = 4007][Question Description = 107_130_VRM_SEP22_Q07]

1. Vaccination alone [Option ID = 16025]
2. Vaccination along with administration of penicillin [Option ID = 16026]
3. Administration of penicillin alone [Option ID = 16027]
4. No Vaccination [Option ID = 16028]

8) Which one of the following is NOT the synonym of leptospirosis?

[Question ID = 4008][Question Description = 108_130_VRM_SEP22_Q08]

1. Weils Disease [Option ID = 16029]
2. Stuttgart Disease [Option ID = 16030]
3. Silage disease [Option ID = 16031]
4. Swimmer's disease [Option ID = 16032]

9) Which type of anaemia is observed in anaplasmosis?[Question ID = 4009][Question Description = 109_130_VRM_SEP22_Q09]

1. Aplastic or hypoplastic anaemia [Option ID = 16033]
2. Haemorrhagic anaemia [Option ID = 16034]
3. Hemolytic anaemia due to intraerythrocytic defects [Option ID = 16035]
4. Immune mediated hemolytic anaemia [Option ID = 16036]

10) In which one of the following condition, eosinophilic casts are seen in urine?

[Question ID = 4010][Question Description = 110_130_VRM_SEP22_Q10]

1. Acute glomerulonephritis [Option ID = 16037]
2. Acute interstitial nephritis [Option ID = 16038]
3. Acute tubular nephritis [Option ID = 16039]
4. None of the above [Option ID = 16040]

11) DIC is evident in which of the following conditions?[Question ID = 4011][Question Description = 111_130_VRM_SEP22_Q11]

1. Septicaemia [Option ID = 16041]
2. Haemolytic anaemia [Option ID = 16042]
3. Neoplasia [Option ID = 16043]
4. All of the above [Option ID = 16044]

12) The most common infectious causes of endotoxemia in foals and calves are[Question ID = 4012][Question Description = 112_130_VRM_SEP22_Q12]

1. *E. coli.* and *Salmonella* [Option ID = 16045]
2. *Pseudomonas* spp. and *Bacillus* [Option ID = 16046]
3. *E. coli.* and *Bacillus* spp. [Option ID = 16047]
4. *Salmonella* and *Campylobacter* [Option ID = 16048]

13) Match List I with List II

List I	List II
A. The Dourine Act	I. 1898
B. Performing Animals Rule	II. 1905
C. Glanders and Farcy Act	III. 1910
D. The Livestock Importation Act	IV. 1899
	V. 2000

Choose the correct answer from the options given below:

[Question ID = 4013][Question Description = 113_130_VRM_SEP22_Q13]

1. A - III, B - V, C - I, D - IV [Option ID = 16049]
2. A - III, B - V, C - II, D - IV [Option ID = 16050]
3. A - III, B - V, C - IV, D - I [Option ID = 16051]
4. A - III, B - V, C - IV, D - II [Option ID = 16052]

14) T1-44 vaccine is recommended for prevention against which disease?[Question ID = 4014][Question Description = 114_130_VRM_SEP22_Q14]

1. IBR [Option ID = 16053]
2. CBPP [Option ID = 16054]
3. PI [Option ID = 16055]
4. TB [Option ID = 16056]

15) Enalapril in patients with chronic renal failure has following effects:

- A. Decrease proteinuria
- B. No effect on proteinuria
- C. Decrease glomerulosclerosis
- D. Increase glomerulosclerosis
- E. Control systemic hypertension

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

[Question ID = 4015][Question Description = 115_130_VRM_SEP22_Q15]

1. A and C only [Option ID = 16057]
2. B, C and E only [Option ID = 16058]
3. A, C and E only [Option ID = 16059]
4. C and E only [Option ID = 16060]

16) Urethral rupture is a common complication in chronic urethral obstruction in bovines due to necrosis of urethral wall.

Statement I: The obvious clinical manifestation is abdominal distention and free fluid in the abdomen.

Statement II: The most obvious clinical manifestation is subcutaneous swelling of ventral abdomen and inguinal region.

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

[Question ID = 4016][Question Description = 116_130_VRM_SEP22_Q16]

1. Both Statement I and Statement II are true [Option ID = 16061]
2. Both Statement I and Statement II are false [Option ID = 16062]
3. Statement I is true but Statement II is false [Option ID = 16063]
4. Statement I is false but Statement II is true [Option ID = 16064]

17) Young or older bovines with sepsis, dehydration and receiving high dose of antibiotics for prolonged period may cause tubular necrosis or nephrosis. The potential drugs are:[Question ID = 4017][Question Description = 117_130_VRM_SEP22_Q17]

1. Aminoglycosides, penicillins, cephalosporins [Option ID = 16065]
2. Sulphonamides, aminoglycosides, tetracyclines [Option ID = 16066]
3. Tetracyclines, macrolides, penicillins [Option ID = 16067]
4. Enrofloxacin, polymyxin-B, penicillins [Option ID = 16068]

18) Removal of excess air is essential in animals with pneumothorax manifesting severe dyspnoea. The ideal site of thoracocentesis for this procedure is:[Question ID = 4018][Question Description = 118_130_VRM_SEP22_Q18]

1. Dorsal aspect of 10th intercostal space [Option ID = 16069]
2. Ventral aspect of 10th intercostal space [Option ID = 16070]
3. Dorsal aspect of 8th intercostal space [Option ID = 16071]
4. Ventral aspect of 9th intercostal space [Option ID = 16072]

19) Ulcerative lymphangitis is transmitted by[Question ID = 4019][Question Description = 119_130_VRM_SEP22_Q19]

1. Contact [Option ID = 16073]
2. Ingestion [Option ID = 16074]
3. Inhalation [Option ID = 16075]
4. All of the above [Option ID = 16076]

20) Post-milking teat dipping usually prevents the udder infection with[Question ID = 4020][Question Description = 120_130_VRM_SEP22_Q20]

1. Environmental organisms [Option ID = 16077]
2. Cow associated pathogens [Option ID = 16078]
3. Both 1 and 2 [Option ID = 16079]
4. None of the above [Option ID = 16080]

21) Iodine value of horse meat is[Question ID = 4021][Question Description = 121_130_VRM_SEP22_Q21]

1. 71-86 [Option ID = 16081]
2. 50-70 [Option ID = 16082]
3. 38-46 [Option ID = 16083]
4. 20-32 [Option ID = 16084]

22) In suspected case of poisoning, tissue samples are preserved in which one of the following?[Question ID = 4022][Question Description = 122_130_VRM_SEP22_Q22]

1. EDTA [Option ID = 16085]
2. Formalin [Option ID = 16086]
3. Sodium fluoride [Option ID = 16087]
4. Sodium sulphate [Option ID = 16088]

23) The disease conditions associated with *Oestrus ovis* infection in sheep are

- A. Rhinitis
- B. Sinusitis
- C. Pneumonia
- D. Pharyngitis
- E. Enteritis

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

[Question ID = 4023][Question Description = 123_130_VRM_SEP22_Q23]

1. A, B and D only [Option ID = 16089]
2. A, B and C only [Option ID = 16090]
3. B, C and D only [Option ID = 16091]
4. C, D and E only [Option ID = 16092]

24) The principles of successful antimicrobial therapy in treatment of broncho-pneumonia include:

- A. Early treatment
- B. To treat long enough
- C. Appropriate choice of the antibacterial drug

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

[Question ID = 4024][Question Description = 124_130_VRM_SEP22_Q24]

1. A and B only [Option ID = 16093]
2. A and C only [Option ID = 16094]
3. B and C only [Option ID = 16095]
4. A, B and C [Option ID = 16096]

25) Which of the following changes are seen in acidosis?

- A. Reduction in venous blood pH

B. Reduction in pCO_2

C. Increase in HCO_3^-

D. Elevated BUN

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

[Question ID = 4025][Question Description = 125_130_VRM_SEP22_Q25]

1. A, B and C only [Option ID = 16097]
2. B, C and D only [Option ID = 16098]
3. A and D only [Option ID = 16099]
4. A, C and D only [Option ID = 16100]

26) Vomition coincides with

[Question ID = 4026][Question Description = 126_130_VRM_SEP22_Q26]

1. Positive intrathoracic and negative abdominal pressure
[Option ID = 16101]
2. Negative intrathoracic and positive abdominal pressure
[Option ID = 16102]
3. Negative intrathoracic and negative abdominal pressure
[Option ID = 16103]
4. Positive intrathoracic and positive abdominal pressure
[Option ID = 16104]

27) For animals in shock, which is the best intravenous solution for rapid infusion?[Question ID = 4027][Question Description = 127_130_VRM_SEP22_Q27]

1. 0.9 % normal saline solution [Option ID = 16105]
2. 0.45 % normal saline solution [Option ID = 16106]
3. 5 % dextrose [Option ID = 16107]
4. 10 % dextrose [Option ID = 16108]

28) Given below are two statements

Statement I: Urinary tract infections are equally common in male and female bovines.

Statement II: Overdosing of Vitamin C may cause tubular necrosis.

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

[Question ID = 4028][Question Description = 128_130_VRM_SEP22_Q28]

1. Both Statement I and Statement II are true [Option ID = 16109]
2. Both Statement I and Statement II are false [Option ID = 16110]
3. Statement I is true but Statement II is false [Option ID = 16111]
4. Statement I is false but Statement II is true [Option ID = 16112]

29) Given below are two statements

Statement I: Ovine progressive pneumonia and Ovine pulmonary adenocarcinoma have been recorded in India.

Statement II: Sheep infected with clinical lentivirus, develop pneumonias at the age of 1-2 Years.

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

[Question ID = 4029][Question Description = 129_130_VRM_SEP22_Q29]

1. Both Statement I and Statement II are true [Option ID = 16113]
2. Both Statement I and Statement II are false [Option ID = 16114]
3. Statement I is true but Statement II is false [Option ID = 16115]
4. Statement I is false but Statement II is true [Option ID = 16116]

30) Laboratory findings are only of marginal utility in the diagnosis of hepatic lipidosis. Most likely hematobiochemical findings in hepatic lipidosis are:

A. Leucopenia and degenerative left shift, ketonuria

B. Elevated aspartate aminotransferase, γ glutamyl transfrase

C. Serum NEFA concentration greater than 1000 $\mu\text{Eq/l}$ in lactating cows

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

[Question ID = 4030][Question Description = 130_130_VRM_SEP22_Q30]

1. A and B only [Option ID = 16117]
2. A and C only [Option ID = 16118]
3. B and C only [Option ID = 16119]
4. A, B and C [Option ID = 16120]

31) Hepatoencephalopathy is NOT common in bovines compared to horse or dog. If required, the best drug for controlling neurological signs is

[Question ID = 4031][Question Description = 131_130_VRM_SEP22_Q31]

1. Low dose of diazepam [Option ID = 16121]
2. Low doses of $\alpha 2$ agonists (xylazine, detomidine) [Option ID = 16122]
3. Phenobarbitone [Option ID = 16123]
4. High dose of $\alpha 2$ agonists (xylazine, detomidine) [Option ID = 16124]

32) The most likely auscultation abnormalities in pleuritis and pleural effusions are:

- A. Wheezes and crackles
- B. Muffled lung sounds in cranio-ventral lungs
- C. Rasping sounds
- D. Muffled lung sounds in dorsal lungs

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

[Question ID = 4032][Question Description = 132_130_VRM_SEP22_Q32]

1. A, B and C only [Option ID = 16125]
2. B and C only [Option ID = 16126]
3. A and B only [Option ID = 16127]
4. A, C and D only [Option ID = 16128]

33) The diagnosis of bovine tuberculosis is NOT straight forward with a single diagnostic test and each test is fraught with limitations. The definitive diagnosis should be based on:

[Question ID = 4033][Question Description = 133_130_VRM_SEP22_Q33]

1. Intradermal test and blood culture [Option ID = 16129]
2. PCR on blood and histopathology [Option ID = 16130]
3. Histopathology and PCR on tissue [Option ID = 16131]
4. ELISA, Gamma and interferon assay [Option ID = 16132]

34) Acute onset of sneezing with unilateral nasal discharge, headshaking and frequent nose licking in young cattle. The differential diagnosis in the order of their likelihood is:[Question ID = 4034][Question Description = 134_130_VRM_SEP22_Q34]

1. Nasal Tumor > Laryngeal Paralysis > Laryngeal Abscess [Option ID = 16133]
2. Acute Bronchitis > Nasal Granuloma > Rhinitis [Option ID = 16134]
3. Nasal Foreign body > Allergic Rhinitis > Nasal actinomycosis [Option ID = 16135]
4. Rhinitis > Laryngeal Abscess > Laryngeal Edema [Option ID = 16136]

35) Most common cause for protein losing enteropathy is[Question ID = 4035][Question Description = 135_130_VRM_SEP22_Q35]

1. Intestinal lymphangiectasia [Option ID = 16137]
2. Intestinal histoplasmosis [Option ID = 16138]
3. Intestinal lymphosarcoma [Option ID = 16139]
4. None of the above [Option ID = 16140]

36) are the main amplifying hosts for Kyasanur Forest Disease.[Question ID = 4036][Question Description = 136_130_VRM_SEP22_Q36]

1. Monkeys [Option ID = 16141]
2. Rats [Option ID = 16142]
3. Shrews [Option ID = 16143]
4. Squirrels [Option ID = 16144]

37) Tyzzer's disease is caused by[Question ID = 4037][Question Description = 137_130_VRM_SEP22_Q37]

1. *C. difficile* [Option ID = 16145]
2. *C. piliforme* [Option ID = 16146]
3. *C. botulinum* [Option ID = 16147]

4. *C. perfringens* [Option ID = 16148]

38) Obstruction of proximal part of small intestine, sequestration of large amounts of Cl^- , K^+ and H^+ leads to[Question ID = 4038][Question Description = 138_130_VRM_SEP22_Q38]

1. Hyperchloremia, hypokalemia and alkalosis [Option ID = 16149]
2. Hypochloremia, hypokalemia and acidosis [Option ID = 16150]
3. Hypochloremia, hypokalemia and alkalosis [Option ID = 16151]
4. Hyperchloremia, hypokalemia and acidosis [Option ID = 16152]

39) Characteristic ECG findings in hypokalemia are[Question ID = 4039][Question Description = 139_130_VRM_SEP22_Q39]

1. Depression of T-wave [Option ID = 16153]
2. Prolongation of Q-T interval [Option ID = 16154]
3. Both of the above [Option ID = 16155]
4. None of the above [Option ID = 16156]

40) Universal donors in dogs are negative for[Question ID = 4040][Question Description = 140_130_VRM_SEP22_Q40]

1. DEA 1.1 [Option ID = 16157]
2. DEA 1.1, 1.2 [Option ID = 16158]
3. DEA 1.1, 1.2, 7 [Option ID = 16159]
4. DEA 1.1, 1.2, 7, 9 [Option ID = 16160]

41) Given below are two statements

Statement I: Volvulus in horses may be due to *Strongylus* infection.

Statement II: Volvulus in cattle may occur due to malignant lymphoma.

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

[Question ID = 4041][Question Description = 141_130_VRM_SEP22_Q41]

1. Both Statement I and Statement II are true [Option ID = 16161]
2. Both Statement I and Statement II are false [Option ID = 16162]
3. Statement I is true but Statement II is false [Option ID = 16163]
4. Statement I is false but Statement II is true [Option ID = 16164]

42) Which one of the following is drug of choice for cats with colitis?

[Question ID = 4042][Question Description = 142_130_VRM_SEP22_Q42]

1. Sulphasalazine [Option ID = 16165]
2. Tylosin [Option ID = 16166]
3. Corticosteroids [Option ID = 16167]
4. None of the above [Option ID = 16168]

43) Lactation tetany in mares is principally due to[Question ID = 4043][Question Description = 143_130_VRM_SEP22_Q43]

1. Low serum level of ionized Mg [Option ID = 16169]
2. Low serum level of ionized Ca [Option ID = 16170]
3. Low serum level of both Ca and Mg [Option ID = 16171]
4. None of the above [Option ID = 16172]

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

Assertion A : Oral protectants such as kaolin and pectin compounds are generally indicated in the treatment of acute gastritis.

Reason R : Protectants coat or protect injured mucosa.

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

[Question ID = 4044][Question Description = 144_130_VRM_SEP22_Q44]

1. Both A and R are true and R is the correct explanation of A
[Option ID = 16173]
2. Both A and R are true but R is NOT the correct explanation of A
[Option ID = 16174]
3. A is true but R is false
[Option ID = 16175]
4. A is false but R is true
[Option ID = 16176]

45) Which one of the following is NOT a primary skin lesion?

[Question ID = 4045][Question Description = 145_130_VRM_SEP22_Q45]

1. Pustule [Option ID = 16177]
2. Plaque [Option ID = 16178]
3. Excoriation [Option ID = 16179]
4. Wheal [Option ID = 16180]

46) Which one of the following is NOT true for parakeratosis?

[Question ID = 4046][Question Description = 146_130_VRM_SEP22_Q46]

1. It is imperfect keratinization of epithelium. [Option ID = 16181]
2. It is caused due to deficiency of zinc. [Option ID = 16182]
3. Excess magnesium feeding is a predisposing factor. [Option ID = 16183]
4. Excess calcium feeding is a predisposing factor. [Option ID = 16184]

47) In which one of the following, glucose concentration DOESN'T increase?

[Question ID = 4047][Question Description = 147_130_VRM_SEP22_Q47]

1. Acute pyogenic infections [Option ID = 16185]
2. Encephalitis [Option ID = 16186]
3. Spinal cord compression [Option ID = 16187]
4. Brain neoplasms [Option ID = 16188]

48) Ceruloplasmin and erythrocyte superoxide dismutase are used for the confirmation of deficiency of which mineral?

[Question ID = 4048][Question Description = 148_130_VRM_SEP22_Q48]

1. Zinc [Option ID = 16189]
2. Copper [Option ID = 16190]
3. Molybdenum [Option ID = 16191]
4. Cobalt [Option ID = 16192]

49) White muscle disease is associated with deficiency of

[Question ID = 4049][Question Description = 149_130_VRM_SEP22_Q49]

1. Molybdenum [Option ID = 16193]
2. Selenium [Option ID = 16194]
3. Zinc [Option ID = 16195]
4. Copper [Option ID = 16196]

50) Night blindness in sheep is seen in which one of the following poisoning?

[Question ID = 4050][Question Description = 150_130_VRM_SEP22_Q50]

1. Enzootic bovine hematuria [Option ID = 16197]
2. Acute bracken fern poisoning [Option ID = 16198]
3. Rati poisoning [Option ID = 16199]
4. Castor poisoning [Option ID = 16200]