

29 Veterinary Surgery and Radiology 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. Campylorrhachis 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. CO₂5% 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) _____ is a braided synthetic fiber composed of glycolic acid and lactic acid in a ratio of 9:1.

[Question ID = 4151][Question Description = 101_127_VSR_SEP22_Q01]

1. Polyglyconate
[Option ID = 16601]
2. Polyglactin 910
[Option ID = 16602]
3. Polydioxanone
[Option ID = 16603]
4. Polypropylene
[Option ID = 16604]

2) The site of an epidural injection in both dogs and cats is the:[Question ID = 4152][Question Description = 102_127_VSR_SEP22_Q02]

1. Lumbosacral space [Option ID = 16605]
2. Sacrococcygeal space [Option ID = 16606]
3. Intercoccygeal space [Option ID = 16607]
4. Thoraco-lumbar space [Option ID = 16608]

3) The dose rate of butorphanol in dogs:[Question ID = 4153][Question Description = 103_127_VSR_SEP22_Q03]

1. 0.01-0.02 mg/kg [Option ID = 16609]
2. 0.1-0.2 mg/kg [Option ID = 16610]
3. 1-2 mg/kg [Option ID = 16611]

4. 0.02-0.05 mg/kg [Option ID = 16612]

4) Osteochondrosis is commonly affects the following joints in dogs:

[Question ID = 4154][Question Description = 104_127_VSR_SEP22_Q04]

1. Stifle joint [Option ID = 16613]
2. Tarsal joint [Option ID = 16614]
3. Shoulder joint [Option ID = 16615]
4. Hip joint [Option ID = 16616]

5) Which one is appropriate statement related to osteoarthritis in canines:

- A. Cause of osteoarthritis is known in primary osteoarthritis
- B. Cause of osteoarthritis is known in secondary osteoarthritis
- C. Osteoarthritis of shoulder joint is common
- D. Osteoarthritis of hip joint is common
- E. Elbow joint is commonly affected with osteoarthritis

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

[Question ID = 4155][Question Description = 105_127_VSR_SEP22_Q05]

1. B and D only
[Option ID = 16617]
2. B and C only
[Option ID = 16618]
3. C and E only
[Option ID = 16619]
4. A and E only
[Option ID = 16620]

6) Fissure fracture is an example of :[Question ID = 4156][Question Description = 106_127_VSR_SEP22_Q06]

1. Complete fracture [Option ID = 16621]
2. Incomplete fracture [Option ID = 16622]
3. Pathological fracture [Option ID = 16623]
4. Comminuted fracture [Option ID = 16624]

7) Disc prolapse commonly noticed in following segment of spine of dogs:

[Question ID = 4157][Question Description = 107_127_VSR_SEP22_Q07]

1. Thoracic vertebra [Option ID = 16625]
2. Cervical vertebra [Option ID = 16626]
3. Thoracolumbar spine [Option ID = 16627]
4. Coccygeal spine [Option ID = 16628]

8) The following drug is water insoluble

[Question ID = 4158][Question Description = 108_127_VSR_SEP22_Q08]

1. Midazolam
[Option ID = 16629]
2. Diazepam
[Option ID = 16630]
3. Atropine sulphate
[Option ID = 16631]
4. Glycopyrrolate
[Option ID = 16632]

9) The best example of depolarizing muscle relaxant:[Question ID = 4159][Question Description = 109_127_VSR_SEP22_Q09]

1. Suxamethonium [Option ID = 16633]
2. Vecuronium bromide [Option ID = 16634]
3. Pancuronium bromide [Option ID = 16635]
4. Tubocurarine chloride [Option ID = 16636]

10) Dilutional hypoxia is associated with the following inhalant anesthetic agent:

[Question ID = 4160][Question Description = 110_127_VSR_SEP22_Q10]

1. Nitrous oxide
[Option ID = 16637]
2. Sevoflurane
[Option ID = 16638]
3. Enflurane
[Option ID = 16639]
4. Halothane
[Option ID = 16640]

11) The following induction agent is drug of choice for caesarean section in dogs:

[Question ID = 4161][Question Description = 111_127_VSR_SEP22_Q11]

1. Thiopentone sodium [Option ID = 16641]
2. Propofol [Option ID = 16642]
3. Ketamine hydrochloride [Option ID = 16643]
4. Tiletamine [Option ID = 16644]

12) History of gagging, making repeated swallowing motions, hypersalivation and pawing at mouth or throat is observed in dogs suffering from:[Question ID = 4162][Question Description = 112_127_VSR_SEP22_Q12]

1. Oesophageal obstruction [Option ID = 16645]
2. Oesophageal diverticulum [Option ID = 16646]
3. Oesophageal stricture [Option ID = 16647]
4. Megaoesophagus [Option ID = 16648]

13) Which one is incorrect with respect to treatment of gastric dilatation and volvulus in dogs?

[Question ID = 4163][Question Description = 113_127_VSR_SEP22_Q13]

1. Partial gastrectomy [Option ID = 16649]
2. Circumcostal gastropexy [Option ID = 16650]
3. Belt-loop gastropexy [Option ID = 16651]
4. Enterectomy [Option ID = 16652]

14) A wound containing more than ____ bacterial organism per gram of tissue is considered infected.

[Question ID = 4164][Question Description = 114_127_VSR_SEP22_Q14]

1. 10^2 [Option ID = 16653]
2. 10^3 [Option ID = 16654]
3. 10^4 [Option ID = 16655]
4. 10^5 [Option ID = 16656]

15) The following structures will be encountered in paramedian approach for celiotomy in dogs (outside to inside):[Question ID = 4165][Question Description = 115_127_VSR_SEP22_Q15]

1. Skin, fascia, linea alba, peritoneum [Option ID = 16657]
2. Skin, fascia, external leaf of rectus abdominis, rectus abdominis muscles, internal leaf of rectus abdominis, transverse fascia, peritoneum [Option ID = 16658]
3. Skin, fascia, oblique muscles, transverse muscles, peritoneum [Option ID = 16659]
4. Skin, fascia, transverse muscles, peritoneum [Option ID = 16660]

16) The most commonly used synthetic material for hernioplasty is:

- A. Polyglactin 910
- B. Polydiaxonone
- C. Monofilament polypropylene
- D. Monofilament polyethylene
- E. Polyurethane

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

[Question ID = 4166][Question Description = 116_127_VSR_SEP22_Q16]

1. B and D only [Option ID = 16661]
2. C and D only [Option ID = 16662]

3. A and B only [Option ID = 16663]
4. C and E only [Option ID = 16664]

17) Which statement is true:[Question ID = 4167][Question Description = 117_127_VSR_SEP22_Q17]

1. Omphalocele is very common in dogs [Option ID = 16665]
2. Umbilical hernia mostly acquired in nature [Option ID = 16666]
3. Perineal hernia occurs commonly in male castrated dogs [Option ID = 16667]
4. Perineal hernia commonly occurs in intact male dogs [Option ID = 16668]

18) Nissen fundoplication procedure is indicated in dogs suffering from:[Question ID = 4168][Question Description = 118_127_VSR_SEP22_Q18]

1. Gastric dilatation and volvulus [Option ID = 16669]
2. Pyloric stenosis [Option ID = 16670]
3. Gastric neoplasia [Option ID = 16671]
4. Gastroesophageal reflux disease [Option ID = 16672]

19) An antibioma is:[Question ID = 4169][Question Description = 119_127_VSR_SEP22_Q19]

1. A tumour due to prolonged use of antibiotics [Option ID = 16673]
2. A cystic swelling after treatment with antibiotic [Option ID = 16674]
3. An abscess treated with antibiotics and having excessive fibrous tissue around it [Option ID = 16675]
4. An internal abscess in visceral organs [Option ID = 16676]

20) The binding material in wound healing is laid down by:[Question ID = 4170][Question Description = 120_127_VSR_SEP22_Q20]

1. Blood vessels surrounding the wound [Option ID = 16677]
2. Fibroblasts [Option ID = 16678]
3. Endothelial cells [Option ID = 16679]
4. Epithelial cells [Option ID = 16680]

21) Which one of the following is most concerned in healing of wounds:

[Question ID = 4171][Question Description = 121_127_VSR_SEP22_Q21]

1. Vitamin A [Option ID = 16681]
2. Vitamin C [Option ID = 16682]
3. Vitamin E [Option ID = 16683]
4. Vitamin B [Option ID = 16684]

22) Penile erection without sexual stimulation is known as:[Question ID = 4172][Question Description = 122_127_VSR_SEP22_Q22]

1. Phimosis [Option ID = 16685]
2. Paraphimosis [Option ID = 16686]
3. Priapism [Option ID = 16687]
4. Hypospadias [Option ID = 16688]

23) In bull the most common site for lodgement of calculi is:

[Question ID = 4173][Question Description = 123_127_VSR_SEP22_Q23]

1. Glans penis [Option ID = 16689]
2. Ureter [Option ID = 16690]
3. Neck of urinary bladder [Option ID = 16691]
4. Distal sigmoid flexure [Option ID = 16692]

24) Tension band wiring is useful technique for management of:[Question ID = 4174][Question Description = 124_127_VSR_SEP22_Q24]

1. Fracture of digits [Option ID = 16693]
2. Incomplete fracture of long bones [Option ID = 16694]
3. Patellar fracture [Option ID = 16695]
4. Greater trochanter fracture [Option ID = 16696]

25) Metaphyseal and epiphyseal fractures usually unite faster than cortical fractures because:[Question ID = 4175][Question Description = 125_127_VSR_SEP22_Q25]

1. Easy surgical approach [Option ID = 16697]
2. Implant holding strength is greater than cortical bone [Option ID = 16698]
3. Abundant vascular supply [Option ID = 16699]
4. Less surface area than cortical bone [Option ID = 16700]

26) Ankyloblepharon is a congenital anomaly of eye characterized by:[Question ID = 4176][Question Description = 126_127_VSR_SEP22_Q26]

1. Part of eyelid is congenitally absent [Option ID = 16701]
2. Fused eyelids [Option ID = 16702]
3. Longer than average palpebral fissure [Option ID = 16703]
4. Shortening of medial canthus [Option ID = 16704]

27) In non chondrodystrophic dogs (NCD) intervertebral disc diseases is common at following levels of spinal cord:

- A. C5-C7
- B. C2-C4
- C. L7-S1
- D. T5-T9
- E. C7-T4

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

[Question ID = 4177][Question Description = 127_127_VSR_SEP22_Q27]

1. A and C only [Option ID = 16705]
2. A and D only [Option ID = 16706]
3. A and E only [Option ID = 16707]
4. A and B only [Option ID = 16708]

28) The gold standard imaging technique for intervertebral disc diseases is:[Question ID = 4178][Question Description = 128_127_VSR_SEP22_Q28]

1. Radiography [Option ID = 16709]
2. CT scanning [Option ID = 16710]
3. USG [Option ID = 16711]
4. MRI [Option ID = 16712]

29) Diagnostic technique primarily meant to test the integrity of disc and nucleus is:[Question ID = 4179][Question Description = 129_127_VSR_SEP22_Q29]

1. Plain radiography [Option ID = 16713]
2. CT-scanning [Option ID = 16714]
3. Discography [Option ID = 16715]
4. Myelography [Option ID = 16716]

30) The contrast material commonly used in bronchography is:[Question ID = 4180][Question Description = 130_127_VSR_SEP22_Q30]

1. Iohexol [Option ID = 16717]
2. Iopamidol [Option ID = 16718]
3. Barium suspension [Option ID = 16719]
4. Aqueous suspension of propyl iodine [Option ID = 16720]

31) Which one is incorrect regarding bronchial lung pattern?

[Question ID = 4181][Question Description = 131_127_VSR_SEP22_Q31]

1. Thin walled mineralised bronchi [Option ID = 16721]
2. Thick walled inflamed , infiltrated bronchi [Option ID = 16722]
3. Enlargement of many deformed bronchi [Option ID = 16723]
4. Increased lung opacity contributed by pulmonary vasculature [Option ID = 16724]

32) Scattering of x-rays occurs mainly due to:

[Question ID = 4182][Question Description = 132_127_VSR_SEP22_Q32]

1. Photoelectric effect [Option ID = 16725]
2. Compton effect [Option ID = 16726]
3. Intensifying screen [Option ID = 16727]
4. Grid [Option ID = 16728]

33) The normal spleen is of _____ opacity on sonography.

[Question ID = 4183][Question Description = 133_127_VSR_SEP22_Q33]

1. Fluid opacity [Option ID = 16729]
2. Gas Opacity [Option ID = 16730]
3. Soft tissue opacity [Option ID = 16731]

4. Metallic opacity [Option ID = 16732]

34) Prepacked items like disposable syringe, catheters, endotracheal tubes, intravenous sets etc are best sterilized by :
[Question ID = 4184][Question Description = 134_127_VSR_SEP22_Q34]

1. Chemical sterilization method [Option ID = 16733]
2. Hot air oven [Option ID = 16734]
3. Gas sterilization [Option ID = 16735]
4. Radiation sterilization [Option ID = 16736]

35) The normal value of hydrogen ion concentration in body is:[Question ID = 4185][Question Description = 135_127_VSR_SEP22_Q35]

1. 10 nanomoles/litre [Option ID = 16737]
2. 20 nanomoles/litre [Option ID = 16738]
3. 40 nanomoles/litre [Option ID = 16739]
4. 30 nanomoles/litre [Option ID = 16740]

36) Is an absorbable suture material:[Question ID = 4186][Question Description = 136_127_VSR_SEP22_Q36]

1. Kangaroo tendon [Option ID = 16741]
2. Polyethylene [Option ID = 16742]
3. Polypropylene [Option ID = 16743]
4. Cotton [Option ID = 16744]

37) The preferred site for epidural anesthesia in camel is:[Question ID = 4187][Question Description = 137_127_VSR_SEP22_Q37]

1. Intercoccygeal space [Option ID = 16745]
2. Sacrococcygeal space [Option ID = 16746]
3. Lumbosacral space [Option ID = 16747]
4. Thoracolumbar space [Option ID = 16748]

38) Hoof trimming should be done at _____ interval as a preventive measure and also for treatment of various hoof abnormalities.

[Question ID = 4188][Question Description = 138_127_VSR_SEP22_Q38]

1. 3 months [Option ID = 16749]
2. 6 months [Option ID = 16750]
3. 9 months [Option ID = 16751]
4. 12 months [Option ID = 16752]

39) In cattle and buffaloes area of choice for abdominal paracentesis is :[Question ID = 4189][Question Description = 139_127_VSR_SEP22_Q39]

1. Cranial mid-line [Option ID = 16753]
2. Middle-mild line [Option ID = 16754]
3. Caudal mid line [Option ID = 16755]
4. Caudal to xiphisternum and 5-10 cm lateral to mid-line [Option ID = 16756]

40) The most common cause of intestinal obstruction in cattle and sheep is:[Question ID = 4190][Question Description = 140_127_VSR_SEP22_Q40]

1. Foreign body [Option ID = 16757]
2. Paralytic ileus [Option ID = 16758]
3. Intussusception [Option ID = 16759]
4. Volvulus [Option ID = 16760]

41) Protrusion of an abdominal organ through the inguinal canal is called :[Question ID = 4191][Question Description = 141_127_VSR_SEP22_Q41]

1. Oscheocele [Option ID = 16761]
2. Bubonocele [Option ID = 16762]
3. Omphalocele [Option ID = 16763]
4. Inguinocele [Option ID = 16764]

42) In buffaloes the diaphragmatic hernia occurs mostly in the:[Question ID = 4192][Question Description = 142_127_VSR_SEP22_Q42]

1. Left hemidiaphragm [Option ID = 16765]
2. Right hemidiaphragm [Option ID = 16766]
3. Mid part of diaphragm [Option ID = 16767]
4. Left Upper part of diaphragm [Option ID = 16768]

43) Kapali is the:[Question ID = 4193][Question Description = 143_127_VSR_SEP22_Q43]

1. Septic inflammation of the facial vein in camels [Option ID = 16769]
2. Inflammation of lymphatic vessels in camels [Option ID = 16770]
3. Inflammation of Jugular vein in camel [Option ID = 16771]
4. Inflammatory condition of milk vein in camel [Option ID = 16772]

44) Cystorrhaxis is the rupture of:

[Question ID = 4194][Question Description = 144_127_VSR_SEP22_Q44]

1. Cyst [Option ID = 16773]
2. Abscess [Option ID = 16774]
3. Urinary bladder [Option ID = 16775]
4. Haematoma [Option ID = 16776]

45) Haemorrhage is more during urethrotomy in a bull if approached through:[Question ID = 4195][Question Description = 145_127_VSR_SEP22_Q45]

1. Pre-scrotal [Option ID = 16777]
2. Post-scrotal [Option ID = 16778]
3. Sub-ischial [Option ID = 16779]
4. Ischial [Option ID = 16780]

46) Knuckling is most commonly observed in:

- A. Hind-limbs
- B. Fetlock joint
- C. Carpal joint
- D. Fore limbs
- E. Pastern joint

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

[Question ID = 4196][Question Description = 146_127_VSR_SEP22_Q46]

1. B and D only
[Option ID = 16781]
2. A and E only
[Option ID = 16782]
3. C and E only
[Option ID = 16783]
4. C and D only
[Option ID = 16784]

47) It is involuntary movement of the eye ball resulting from unequal tone in two antagonistic voluntary muscles of the eye:

[Question ID = 4197][Question Description = 147_127_VSR_SEP22_Q47]

1. Strabismus [Option ID = 16785]
2. Nystagamus [Option ID = 16786]
3. Entropion [Option ID = 16787]
4. Ectropion [Option ID = 16788]

48) The incidence of horn cancer is highest in following breed of cattle:[Question ID = 4198][Question Description = 148_127_VSR_SEP22_Q48]

1. Kankrej [Option ID = 16789]
2. Gir [Option ID = 16790]
3. Malvi [Option ID = 16791]
4. Khillari [Option ID = 16792]

49) Suprascapular nerve injury is:[Question ID = 4199][Question Description = 149_127_VSR_SEP22_Q49]

1. Sweeny [Option ID = 16793]
2. Osteochondrosis [Option ID = 16794]
3. Calcifying tendinopathy [Option ID = 16795]
4. Bicipital bursitis [Option ID = 16796]

50) The value of femorotibial angle in most horses is:[Question ID = 4200][Question Description =

150_127_VSR_SEP22_Q50]

1. 145 degree [Option ID = 16797]
2. 155 degree [Option ID = 16798]
3. 100 degree [Option ID = 16799]
4. 135 degree [Option ID = 16800]