

28 Animal Reprod Gynae N Obstetrics 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. 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 recation
- 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]

Topic:- 28 Animal Repr Gynaecology Obs_PHD

1) Given below are two statements

Statement I: Vestibular glands are absent in the dog but present in the cat.

Statement II: Bitch and queen have true hymen.

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

[Question ID = 4101][Question Description = 101_167_VGO_SEP22_Q01]

1. Both Statement I and Statement II are true [Option ID = 16401]
2. Both Statement I and Statement II are false [Option ID = 16402]
3. Statement I is true but Statement II is false [Option ID = 16403]
4. Statement I is false but Statement II is true [Option ID = 16404]

2) Uterine sand is observed on[Question ID = 4102][Question Description = 102_167_VGO_SEP22_Q02]

1. External surface of placenta [Option ID = 16405]
2. Internal Surface of placenta [Option ID = 16406]
3. Endometrium [Option ID = 16407]
4. Myometrium [Option ID = 16408]

3) Match List I with List II

List I	List II
Fetal Monsters	Charecteristics
A. Achondroplasia	I. Amputated limbs
B. Acroteriasis congenita	II. Dummy calves

C. Hydrocephalus	III. Mule foot
D. Syndactylism	IV. Pink tooth
E. Congenital porphyria	V. Bull dog calf

Choose the correct answer from the options given below:

[Question ID = 4103][Question Description = 103_167_VGO_SEP22_Q03]

1. A-V, B-I, C-III, D-II, E-IV [Option ID = 16409]
2. A-II, B-V, C-IV, D-III, E-I [Option ID = 16410]
3. A-III, B-V, C-II, D-I, E-IV [Option ID = 16411]
4. A-V, B-I, C-II, D-III, E-IV [Option ID = 16412]

4) Agents causing nongenetic anomalies in fetus is called [Question ID = 4104][Question Description = 104_167_VGO_SEP22_Q04]

1. Phenocopies [Option ID = 16413]
2. Teratogens [Option ID = 16414]
3. Pleiotropism [Option ID = 16415]
4. Monsters [Option ID = 16416]

5) Two streak canal is observed in the mammary gland of

- A. Cow
- B. Sow
- C. Mare
- D. Bitch
- E. Ewe

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

[Question ID = 4105][Question Description = 105_167_VGO_SEP22_Q05]

1. B and C only [Option ID = 16417]
2. B only [Option ID = 16418]
3. C only [Option ID = 16419]
4. E only [Option ID = 16420]

6) Brucella vaccination is given to [Question ID = 4106][Question Description = 106_167_VGO_SEP22_Q06]

1. Heifers of 3-7 months age [Option ID = 16421]
2. Heifers of 12 months age [Option ID = 16422]
3. Bulls of any age [Option ID = 16423]
4. Cows of any age [Option ID = 16424]

7) Given below are two statements

Statement I: Vibriosis and trichomoniasis causes early embryonic death in cattle.

Statement II: There is no evidence of venereal disease in horse which cause early embryonic death.

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

[Question ID = 4107][Question Description = 107_167_VGO_SEP22_Q07]

1. Both Statement I and Statement II are true [Option ID = 16425]
2. Both Statement I and Statement II are false [Option ID = 16426]
3. Statement I is true but Statement II is false [Option ID = 16427]
4. Statement I is false but Statement II is true [Option ID = 16428]

8) Picornavirus infections in swine causes

- A. Infertility
- B. Embryonic death
- C. Mummification
- D. Stillbirth
- E. Coital exanthema

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

[Question ID = 4108][Question Description = 108_167_VGO_SEP22_Q08]

1. A, B, C and D only

[Option ID = 16429]

2. C only

[Option ID = 16430]

3. B, C and D only

[Option ID = 16431]

4. A, B and E only

[Option ID = 16432]

9) Toxoplasma gondii is a common and serious cause of abortion in[Question ID = 4109][Question Description = 109_167_VGO_SEP22_Q09]

1. Cow [Option ID = 16433]

2. Mare [Option ID = 16434]

3. Buffalo [Option ID = 16435]

4. Sheep [Option ID = 16436]

10) Fetal mummification in goat is

A. Hematic type

B. Papyracious type

C. Persistence of CL

D. Absence of CL

E. Static fetal cadaver

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

[Question ID = 4110][Question Description = 110_167_VGO_SEP22_Q10]

1. A and C only [Option ID = 16437]

2. B and C only [Option ID = 16438]

3. A and B only [Option ID = 16439]

4. A and E only [Option ID = 16440]

11) Given below are two statements

Statement I: Primary uterine inertia is more common in the mare.

Statement II: Bandles ring dystocia is a type of secondry uterine inertia.

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

[Question ID = 4111][Question Description = 111_167_VGO_SEP22_Q11]

1. Both Statement I and Statement II are true [Option ID = 16441]

2. Both Statement I and Statement II are false [Option ID = 16442]

3. Statement I is true but Statement II is false [Option ID = 16443]

4. Statement I is false but Statement II is true [Option ID = 16444]

12) Ring womb dystocia is common in[Question ID = 4112][Question Description = 112_167_VGO_SEP22_Q12]

1. Ewe [Option ID = 16445]

2. Mare [Option ID = 16446]

3. Bitch [Option ID = 16447]

4. Cow [Option ID = 16448]

13) Krey's hook is applied on

A. Inner eye orbit for traction of live fetus

B. Inner eye orbit for traction of dead fetus

C. Traction of fetus during fetotomy

D. Rotation of live fetus

E. Version of dead fetus

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

[Question ID = 4113][Question Description = 113_167_VGO_SEP22_Q13]

1. A, B, C and D only [Option ID = 16449]

2. B and C only [Option ID = 16450]

3. A, B and C only [Option ID = 16451]
4. A and E only [Option ID = 16452]

14) Cephalotomy is indicated in[Question ID = 4114][Question Description = 114_167_VGO_SEP22_Q14]

1. Emphysematous fetus [Option ID = 16453]
2. Hydrocephalus fetus [Option ID = 16454]
3. Deviation of head and neck [Option ID = 16455]
4. Schistosomus reflexus [Option ID = 16456]

15) Long standing "Hip lock " dystocia results in[Question ID = 4115][Question Description = 115_167_VGO_SEP22_Q15]

1. Peroneal nerve paralysis [Option ID = 16457]
2. Obturator nerve paralysis [Option ID = 16458]
3. Fracture of pelvic cavity [Option ID = 16459]
4. Hind quarter paralysis [Option ID = 16460]

16) Transverse ventral position dystocia is common in[Question ID = 4116][Question Description = 116_167_VGO_SEP22_Q16]

1. Mare [Option ID = 16461]
2. Cow [Option ID = 16462]
3. Sheep [Option ID = 16463]
4. Goat [Option ID = 16464]

17) The relative incidence of fetal monstrosities is high in

[Question ID = 4117][Question Description = 117_167_VGO_SEP22_Q17]

1. Cow
[Option ID = 16465]
2. Sow
[Option ID = 16466]
3. Mare
[Option ID = 16467]
4. Goat
[Option ID = 16468]

18) Following are obstetrical operations

- A. Mutation- bringing fetus from transverse axis to posterior presentation.
- B. Version-bringing fetus from transverse axis to anterior presentation.
- C. Rotation-rotation of fetus on longitudinal axis making it to dorso-sacral position.
- D. Decapitation-amputation of head and neck from shoulder joint.
- E. Evisceration is needed in ascitic fetus.

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

[Question ID = 4118][Question Description = 118_167_VGO_SEP22_Q18]

1. A, B and C only [Option ID = 16469]
2. C, D and E only [Option ID = 16470]
3. B, C and D only [Option ID = 16471]
4. B, C and E only [Option ID = 16472]

19) Match List I with List II

List I	List II
Disease	symptoms
A. Postparturient hemoglobinurea	I. Hypocalcemia and hypomagnisemia
B. Transport tetany	II. Hypoglycemia
C. Acetonemia	III. Hypocalcemia
D. Puerperal tetany	IV. Hypophosphatemia
	V. Hypokalemia

Choose the correct answer from the options given below:

[Question ID = 4119][Question Description = 119_167_VGO_SEP22_Q19]

1. A-V, B-I, C-III, D-II [Option ID = 16473]

2. A-II, B-V, C-IV, D-III [Option ID = 16474]
3. A-IV, B-I, C-II, D-III [Option ID = 16475]
4. A-V, B-I, C-II, D-III [Option ID = 16476]

20) Given below are two statements

Statement I: Douching the uterus is contraindicated when fetal membranes are present.

Statement II: It is better to allow retained fetal membranes to mascerate in the uterus than to attempt manual removal.

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

[Question ID = 4120][Question Description = 120_167_VGO_SEP22_Q20]

1. Both Statement I and Statement II are correct [Option ID = 16477]
2. Both Statement I and Statement II are incorrect [Option ID = 16478]
3. Statement I is correct but Statement II is incorrect [Option ID = 16479]
4. Statement I is incorrect but Statement II is correct [Option ID = 16480]

21) Stein-Leventhal syndrome is comparable with[Question ID = 4121][Question Description = 121_167_VGO_SEP22_Q21]

1. Downer cow syndrome [Option ID = 16481]
2. Cystic ovarian disease [Option ID = 16482]
3. Repeat breeding syndrome [Option ID = 16483]
4. Mastitis, metritis and agalactia syndrome [Option ID = 16484]

22) Swiss-cheese histological appearance of endometrium indicates[Question ID = 4122][Question Description = 122_167_VGO_SEP22_Q22]

1. Cystic ovarian disease [Option ID = 16485]
2. Anestrus [Option ID = 16486]
3. Paraovarian cyst [Option ID = 16487]
4. Cystic CL [Option ID = 16488]

23) The percent time of getting functional CL on the ovary of a normal cow is[Question ID = 4123][Question Description = 123_167_VGO_SEP22_Q23]

1. 35% [Option ID = 16489]
2. 55% [Option ID = 16490]
3. 25% [Option ID = 16491]
4. 85% [Option ID = 16492]

24) Persistent corpus luteum is not associated with

- A. Pyometra
- B. Fetal maceration
- C. Mucometra
- D. Mummified fetus
- E. Nymphomania

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

[Question ID = 4124][Question Description = 124_167_VGO_SEP22_Q24]

1. A, C and D only [Option ID = 16493]
2. A and D only [Option ID = 16494]
3. C only [Option ID = 16495]
4. E only [Option ID = 16496]

25) Given below are two statements

Statement I: Occurance of subestrus is more after 90 days of parturition in cows.

Statement II: Subestrus is fertile and cow can conceive if inseminated at right time.

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

[Question ID = 4125][Question Description = 125_167_VGO_SEP22_Q25]

1. Both Statement I and Statement II are true [Option ID = 16497]
2. Both Statement I and Statement II are false [Option ID = 16498]
3. Statement I is true but Statement II is false [Option ID = 16499]
4. Statement I is false but Statement II is true [Option ID = 16500]

26) Which vitamin deficiency DOES NOT occur in cattle?

[Question ID = 4126][Question Description = 126_167_VGO_SEP22_Q26]

1. Vitamin A [Option ID = 16501]
2. Vitamin B [Option ID = 16502]
3. Vitamin C [Option ID = 16503]
4. Vitamin E [Option ID = 16504]

27) Which one of the following mineral deficiency DOES NOT cause reproductive failure in cattle?

[Question ID = 4127][Question Description = 127_167_VGO_SEP22_Q27]

1. Calcium [Option ID = 16505]
2. Phosphorus [Option ID = 16506]
3. Cobalt [Option ID = 16507]
4. Copper [Option ID = 16508]

28) Inflammation of the uterus involving uterine ligaments is termed[Question ID = 4128][Question Description = 128_167_VGO_SEP22_Q28]

1. Endometritis [Option ID = 16509]
2. Parametritis [Option ID = 16510]
3. Perimetritis [Option ID = 16511]
4. Sclerotic metritis [Option ID = 16512]

29) Trachelorrhaphy is[Question ID = 4129][Question Description = 129_167_VGO_SEP22_Q29]

1. Suturing of trachea [Option ID = 16513]
2. Suturing of vagina [Option ID = 16514]
3. Suturing of cervix [Option ID = 16515]
4. Suturing of vulva [Option ID = 16516]

30) The time period till highly fertile spermatozoa can survive in the genital tract of mare is up to[Question ID = 4130][Question Description = 130_167_VGO_SEP22_Q30]

1. 24 hours [Option ID = 16517]
2. 48 hours [Option ID = 16518]
3. 3 days [Option ID = 16519]
4. 6 days [Option ID = 16520]

31) "Winking of clitoris" is sign of oestrus in[Question ID = 4131][Question Description = 131_167_VGO_SEP22_Q31]

1. Sow [Option ID = 16521]
2. Ewe [Option ID = 16522]
3. Goat [Option ID = 16523]
4. Mare [Option ID = 16524]

32) Accessory CL is a regular feature in[Question ID = 4132][Question Description = 132_167_VGO_SEP22_Q32]

1. Mare [Option ID = 16525]
2. Sheep [Option ID = 16526]
3. Goat [Option ID = 16527]
4. Cat [Option ID = 16528]

33) Speculum examination is used to detect estrus in[Question ID = 4133][Question Description = 133_167_VGO_SEP22_Q33]

1. Cow [Option ID = 16529]
2. Sow [Option ID = 16530]
3. Bitch [Option ID = 16531]
4. Mare [Option ID = 16532]

34) Following statements are about Mare reproduction

- A. Salpingitis is a common problem.
- B. Ovulation occurs from the ovulation fossa.
- C. Dourine is transmitted through coitus.
- D. Coital vesicular exanthema causes abortion.
- E. Caslick operation is performed to treat pneumovagina.

Choose the *true* statements from the options given below:

[Question ID = 4134][Question Description = 134_167_VGO_SEP22_Q34]

1. B, C and E only

[Option ID = 16533]

2. A, B, C and D only

[Option ID = 16534]

3. A, D and E only

[Option ID = 16535]

4. A and D only

[Option ID = 16536]

35) Select True sentences only

A. Cowper's glands are absent in cat

B. Bulbus glandis is absent in cat

C. Prepuce diverticulum is absent in pigs

D. Androstenedione is more potent than testosterone in bull

E. Fructose is absent in stallion semen

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

[Question ID = 4135][Question Description = 135_167_VGO_SEP22_Q35]

1. A, B, C and D only [Option ID = 16537]

2. A, D and E only [Option ID = 16538]

3. A and D only [Option ID = 16539]

4. B only [Option ID = 16540]

36) Erection of penis occur due to _____ in CCP(Corpora Cavernosa Penis).

[Question ID = 4136][Question Description = 136_167_VGO_SEP22_Q36]

1. Hydrostatic pressure

[Option ID = 16541]

2. Hydraulic pressure

[Option ID = 16542]

3. High osmotic pressure

[Option ID = 16543]

4. Homeostatic pressure

[Option ID = 16544]

37) "Rainbow deviation" of penis is [Question ID = 4137][Question Description = 137_167_VGO_SEP22_Q37]

1. Ventral deviation [Option ID = 16545]

2. Dorsal deviation [Option ID = 16546]

3. Lateral deviation [Option ID = 16547]

4. Spiral deviation [Option ID = 16548]

38) Match List I with List II

List I	List II
Condition	Affected part
A. Balanoposthitis	I. Prepuce
B. Phimosis	II. Sperm tail
C. Dag defect	III. Penis and Prepuce
D. Diadem defect	IV. Sperm mid piece
	V. Sperm head

Choose the correct answer from the options given below:

[Question ID = 4138][Question Description = 138_167_VGO_SEP22_Q38]

1. A-I, B-III, C-II, D-IV [Option ID = 16549]

2. A-III, B-I, C-II, D-V [Option ID = 16550]

3. A-III, B-I, C-V, D-IV [Option ID = 16551]

4. A-I, B-III, C-IV, D-II [Option ID = 16552]

39) Which one of the following is a major sperm defect?

[Question ID = 4139][Question Description = 139_167_VGO_SEP22_Q39]

1. Abaxial implantation of tail [Option ID = 16553]
2. Giant and short broad head [Option ID = 16554]
3. Proximal cytoplasmic droplet [Option ID = 16555]
4. Distal droplet [Option ID = 16556]

40) Phosphate buffered saline is less preferred for semen dilutor because of [Question ID = 4140][Question Description = 140_167_VGO_SEP22_Q40]

1. Head to head agglutination [Option ID = 16557]
2. Toxic damage [Option ID = 16558]
3. Hypo osmotic swelling [Option ID = 16559]
4. Low antimicrobial activity [Option ID = 16560]

41) The protein of whole milk, which is toxic to spermatozoa in dilutor is

[Question ID = 4141][Question Description = 141_167_VGO_SEP22_Q41]

1. Lactoferrin [Option ID = 16561]
2. Lactenin [Option ID = 16562]
3. Casein [Option ID = 16563]
4. Lactoglobulin [Option ID = 16564]

42) "Caprogen dilutor" is capable of maintaining sperm viability [Question ID = 4142][Question Description = 142_167_VGO_SEP22_Q42]

1. At ambient temperature for 5 days [Option ID = 16565]
2. At refrigeration temperature for 10 days [Option ID = 16566]
3. At pellet form for 2 years [Option ID = 16567]
4. At ambient temperature for 3 days [Option ID = 16568]

43) Match List I with List II

List I	List II
Event	Researcher
A. First IVF girl born 1978	I. Willadsen
B. Cloned Lamb born from embryo 1986	II. Willmut et al.
C. Cloned lamb from somatic cell 1996	III. Steptoe and Edwards
D. Calf born from frozen embryo 1973	IV. Wilmut and Rowson
	V. Willet et al

Choose the correct answer from the options given below:

[Question ID = 4143][Question Description = 143_167_VGO_SEP22_Q43]

1. A-III, B-I, C-II, D-IV [Option ID = 16569]
2. A-IV, B-I, C-II, D-V [Option ID = 16570]
3. A-II, B-III, C-IV, D-I [Option ID = 16571]
4. A-III, B-I, C-II, D-V [Option ID = 16572]

44) Given below are two statements about estrus synchronisation in superovulation protocols

Statement I: Progesterone pessary is fitted for 12 days in goat and sheep for achieving synchronisation.

Statement II: Pigs are synchronised using altrenogest feeding for 15 days.

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

[Question ID = 4144][Question Description = 144_167_VGO_SEP22_Q44]

1. Both Statement I and Statement II are true [Option ID = 16573]
2. Both Statement I and Statement II are false [Option ID = 16574]
3. Statement I is true but Statement II is false [Option ID = 16575]
4. Statement I is false but Statement II is true [Option ID = 16576]

45) First transgenic cow is named [Question ID = 4145][Question Description = 145_167_VGO_SEP22_Q45]

1. Rosie [Option ID = 16577]
2. Ruppy [Option ID = 16578]
3. Tracy [Option ID = 16579]
4. ANDi [Option ID = 16580]

46) Match List I with List II

List I	List II
Terminology/Tests/Condition	Condition/Organism
A. Blood stained mucus	I. Subclinical endometritis
B. Cytobrush	II. Brucellosis
C. Milk ring test	III. Trichomoniasis
D. Virgin heifer test	IV. Metestrus
	V. Pregnancy diagnosis

Choose the correct answer from the options given below:

[Question ID = 4146][Question Description = 146_167_VGO_SEP22_Q46]

1. A-III, B-I, C-II, D-IV [Option ID = 16581]
2. A-IV, B-I, C-II, D-V [Option ID = 16582]
3. A-IV, B-I, C-II, D-III [Option ID = 16583]
4. A-III, B-I, C-II, D-V [Option ID = 16584]

47) Select True sentences only

- A. eCG is NOT a preferred hormone for superovulation
- B. Hypothalamus is the sole source of oxytocin.
- C. Cystic CL is a pathological condition which increases length of the estrous cycle.
- D. EPSI have major role in maternal recognition in sheep.
- E. A high frequency USG probe is best suited for studying follicular dynamics in cow

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

[Question ID = 4147][Question Description = 147_167_VGO_SEP22_Q47]

1. A, B and D only [Option ID = 16585]
2. B and C only [Option ID = 16586]
3. A only [Option ID = 16587]
4. A and E only [Option ID = 16588]

48) One mg NIH-FSH-S1 is equal to [Question ID = 4148][Question Description = 148_167_VGO_SEP22_Q48]

1. 2.7mg NIH-FSH-S1 [Option ID = 16589]
2. 10mg NIH-FSH-P1 [Option ID = 16590]
3. 10mg NIH-FSH-S1 [Option ID = 16591]
4. 27 mg NIH-FSH-P1 [Option ID = 16592]

49) Given below are two statements about cryoprotectants

Statement I: Glycerol, DMSO and Ethylene glycol are non permeating type of cryoprotectants.

Statement II: Polyethylene glycol (PEG), polyvinylpyrrolidone (PVP) are permeating type of cryoprotectants.

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

[Question ID = 4149][Question Description = 149_167_VGO_SEP22_Q49]

1. Both Statement I and Statement II are true [Option ID = 16593]
2. Both Statement I and Statement II are false [Option ID = 16594]
3. Statement I is true but Statement II is false [Option ID = 16595]
4. Statement I is false but Statement II is true [Option ID = 16596]

50) Most commonly used oocyte maturation media is [Question ID = 4150][Question Description = 150_167_VGO_SEP22_Q50]

1. TCM-199 [Option ID = 16597]
2. CR1 [Option ID = 16598]
3. CRaa [Option ID = 16599]
4. mSOF [Option ID = 16600]