

19 Livestock Production Management 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 1_PHD

1) Which of the following statements is not true about Qualitative traits?[Question ID = 3451][Question Description = 101_60_BVE_SEP22_Q01]

1. Governed by many genes [Option ID = 13801]
2. Less affected by the environment [Option ID = 13802]
3. Traits differ in kind [Option ID = 13803]
4. Shows discontinuous variations [Option ID = 13804]

2) Genetic Cline means[Question ID = 3452][Question Description = 102_60_BVE_SEP22_Q02]

1. Gene frequency is not variable [Option ID = 13805]
2. Single measurement of a character [Option ID = 13806]
3. Discontinuity of a trait in a population [Option ID = 13807]
4. Measurable gradient of phenotype or genotype [Option ID = 13808]

3) Pien niu is the species hybrid obtained from

[Question ID = 3453][Question Description = 103_60_BVE_SEP22_Q03]

1. Mithun X Cow
[Option ID = 13809]
2. Zebra X horse
[Option ID = 13810]
3. Mithun X Buffalo
[Option ID = 13811]
4. Cattle X Yak
[Option ID = 13812]

4) Which of the following is an example of multiple allelism?[Question ID = 3454][Question Description = 104_60_BVE_SEP22_Q04]

1. Eye colour in Drosophila [Option ID = 13813]
2. Pigmented Iris [Option ID = 13814]
3. Ear Lobes [Option ID = 13815]
4. PTC tasting [Option ID = 13816]

5) The mating system in which sire of a pure breed are mated to the females of non - descript type is known as:

[Question ID = 3455][Question Description = 105_60_BVE_SEP22_Q05]

1. Top crossing [Option ID = 13817]
2. Out crossing [Option ID = 13818]
3. Grading up [Option ID = 13819]
4. Species hybridization [Option ID = 13820]

6) National Dairy Development Board (NDDB) has developed a software for monitoring dairy animal productivity & health[Question ID = 3456][Question Description = 106_60_BVE_SEP22_Q06]

1. HERD MAN [Option ID = 13821]
2. INAPH [Option ID = 13822]
3. ANIMAL [Option ID = 13823]
4. WOMBAT [Option ID = 13824]

7) Genetic marker-based selection is quite effective as it shows higher genetic gain for the traits[Question ID = 3457]
[Question Description = 107_60_BVE_SEP22_Q07]

1. Having high heritability [Option ID = 13825]
2. Having moderate heritability [Option ID = 13826]
3. Having low heritability [Option ID = 13827]
4. Having negligible heritability [Option ID = 13828]

8) Who discovered the Chromosome for the first time?[Question ID = 3458][Question Description = 108_60_BVE_SEP22_Q08]

1. Waldeyer [Option ID = 13829]
2. Walther Fleming [Option ID = 13830]
3. Wheler [Option ID = 13831]
4. Watson [Option ID = 13832]

9) The scientific name of Hamster is[Question ID = 3459][Question Description = 109_60_BVE_SEP22_Q09]

1. Langomorphs [Option ID = 13833]
2. Guniea Pig [Option ID = 13834]
3. Cavia porcellus [Option ID = 13835]
4. Cricetinae [Option ID = 13836]

10) Which one of them according to CPCSEA is used for a maintaining a breeding record in laboratory animal[Question ID = 3460][Question Description = 110_60_BVE_SEP22_Q10]

1. Form A [Option ID = 13837]
2. Form B [Option ID = 13838]
3. Form C [Option ID = 13839]
4. Form D [Option ID = 13840]

11) Match List I with List II

List I	List II
(Book/Theory proposed/Characteristic, etc.)	(Author/Thinker/Name of Theory, etc.)
A. Halter and canister	I. Gross energy estimation
B. Bypass fat	II. Biohydrogenation of linoleic acid
C. Bomb calorimeter	III. Protein encapsulation
D. CLA	IV. SF6 technique

Choose the correct answer from the options given below:

[Question ID = 3461][Question Description = 111_60_BVE_SEP22_Q11]

1. A - II, B - I, C - III, D - IV
[Option ID = 13841]
2. A - IV, B - II, C - III, D - I
[Option ID = 13842]
3. A - III, B - II, C - IV, D - I
[Option ID = 13843]
4. A - IV, B - III, C - I, D - II
[Option ID = 13844]

12) The ratio of ME to DE of roughage in ruminant is[Question ID = 3462][Question Description = 112_60_BVE_SEP22_Q12]

1. 0.79 [Option ID = 13845]
2. 0.96 [Option ID = 13846]
3. 0.82 [Option ID = 13847]
4. 0.72 [Option ID = 13848]

13) Quality control of livestock feed in India is regulated by[Question ID = 3463][Question Description = 113_60_BVE_SEP22_Q13]

1. ICAR [Option ID = 13849]

2. BIS [Option ID = 13850]
3. CLFMA [Option ID = 13851]
4. NDDDB [Option ID = 13852]

14) Allotriophagia is caused in cattle due to[Question ID = 3464][Question Description = 114_60_BVE_SEP22_Q14]

1. Calcium deficiency [Option ID = 13853]
2. Phosphorus deficiency [Option ID = 13854]
3. Sodium deficiency [Option ID = 13855]
4. Potassium deficiency [Option ID = 13856]

15) Reference standard used in bomb calorimeter is[Question ID = 3465][Question Description = 115_60_BVE_SEP22_Q15]

1. Benzoic acid [Option ID = 13857]
2. Butyric acid [Option ID = 13858]
3. Oxalic acid [Option ID = 13859]
4. Citric acid [Option ID = 13860]

16) The atmospheric pressure of oxygen required for sample analysis in Bomb calorimeter is[Question ID = 3466][Question Description = 116_60_BVE_SEP22_Q16]

1. 15 [Option ID = 13861]
2. 25 [Option ID = 13862]
3. 35 [Option ID = 13863]
4. 45 [Option ID = 13864]

17) The decreasing order of susecpibility to animal species from Gossypol toxicity is

A.Goat

B.Horse

C. Pig

D.Poultry

Choose the *correct* answer from the options given below

[Question ID = 3467][Question Description = 117_60_BVE_SEP22_Q17]

1. A, B, C, D [Option ID = 13865]
2. D,C,B,A [Option ID = 13866]
3. B,C,D, A [Option ID = 13867]
4. A,D,B,C [Option ID = 13868]

18) Rumen microbes that breaks down the fibrous structure of roughages by penetrating the feed are[Question ID = 3468][Question Description = 118_60_BVE_SEP22_Q18]

1. Bacteria [Option ID = 13869]
2. Archea [Option ID = 13870]
3. Fungi [Option ID = 13871]
4. Protozoa [Option ID = 13872]

19) Surface area law of body heat production was given by[Question ID = 3469][Question Description = 119_60_BVE_SEP22_Q19]

1. O. Kellner [Option ID = 13873]
2. T. B. Osborne [Option ID = 13874]
3. H. H. Mitchell [Option ID = 13875]
4. Max Rubner [Option ID = 13876]

20) The Maillard reaction involves a reaction between[Question ID = 3470][Question Description = 120_60_BVE_SEP22_Q20]

1. ϵ -amino groups of lysine and carbonyl compounds of reducing sugars [Option ID = 13877]
2. ϵ -amino groups of lysine and carbonyl compounds of non-reducing sugars [Option ID = 13878]
3. ϵ -amino groups of arginine and carbonyl compounds of non-reducing sugars [Option ID = 13879]
4. ϵ -amino groups of methionine and carbonyl compounds of non-reducing sugars [Option ID = 13880]

21) According to FAO how many types of livestock management systems are there[Question ID = 3471][Question Description = 121_60_BVE_SEP22_Q21]

1. 3 [Option ID = 13881]
2. 4 [Option ID = 13882]
3. 2 [Option ID = 13883]
4. 5 [Option ID = 13884]

22) The breed of cattle used for the game of *Jalikattu*[Question ID = 3472][Question Description = 122_60_BVE_SEP22_Q22]

1. Kangayam and Pullikulam [Option ID = 13885]
2. Kangayam and Ponwar [Option ID = 13886]
3. Hallikar and Kangayam [Option ID = 13887]
4. Kangayam and Kankrej [Option ID = 13888]

23) Based on milk production of a cattle an extra 1 kg of concentrate is given for each[Question ID = 3473][Question Description = 123_60_BVE_SEP22_Q23]

1. 5 litres of milk produced [Option ID = 13889]
2. 10 litres of milk produced [Option ID = 13890]
3. 2.5 litres of milk produced [Option ID = 13891]
4. 1.5 litres of milk produced [Option ID = 13892]

24) The breed reared for the production of Pashmina is[Question ID = 3474][Question Description = 124_60_BVE_SEP22_Q24]

1. Chokla [Option ID = 13893]
2. Patanwadi [Option ID = 13894]
3. Chegu [Option ID = 13895]
4. Muzzaffarnagri [Option ID = 13896]

25) The organization / committee known for regulating animal experimentation[Question ID = 3475][Question Description = 125_60_BVE_SEP22_Q25]

1. PFA [Option ID = 13897]
2. CPSCEA [Option ID = 13898]
3. CPCSEA [Option ID = 13899]
4. CPSEA [Option ID = 13900]

26) National Dairy Research Institute was established in Bangalore in the year[Question ID = 3476][Question Description = 126_60_BVE_SEP22_Q26]

1. 1921 [Option ID = 13901]
2. 1922 [Option ID = 13902]
3. 1923 [Option ID = 13903]
4. 1924 [Option ID = 13904]

27) Intermittent milking is a characteristic feature of which of the following breed of buffaloes[Question ID = 3477][Question Description = 127_60_BVE_SEP22_Q27]

1. Jaffarabadi [Option ID = 13905]
2. Banni [Option ID = 13906]
3. Pandharpuri [Option ID = 13907]
4. Gojri [Option ID = 13908]

28) Which of the following Camel in India is endangered?[Question ID = 3478][Question Description = 128_60_BVE_SEP22_Q28]

1. Bikaneri [Option ID = 13909]
2. Jaisalmeri [Option ID = 13910]
3. Double humped [Option ID = 13911]
4. Kutchchi [Option ID = 13912]

29) Colostrum feeding should be done to calves within (time) of their birth[Question ID = 3479][Question Description = 129_60_BVE_SEP22_Q29]

1. 1 hour [Option ID = 13913]
2. 10 hours [Option ID = 13914]
3. 3 hours [Option ID = 13915]
4. 30 minutes [Option ID = 13916]

30) Karan Fries strain of cattle is evolved by crossing[Question ID = 3480][Question Description = 130_60_BVE_SEP22_Q30]

1. Sahiwal with Brown Swiss [Option ID = 13917]
2. Red Sindhi with Jersey [Option ID = 13918]
3. Tharparkar with Holstein [Option ID = 13919]
4. Nondescript with Brown Swiss [Option ID = 13920]

31) The method of choice for determining fecal coliform densities[Question ID = 3481][Question Description = 131_60_BVE_SEP22_Q31]

1. SPC [Option ID = 13921]
2. MPN [Option ID = 13922]
3. Agar droplets [Option ID = 13923]
4. HGMF [Option ID = 13924]

32) In sous vide method of cooking of meat

- A. Cooking is done at temperature <100°C under="">**
- B. Cooking is continued for extended period of time followed by cooling**
- C. has positive effect on tenderness compared with conventional cooking**
- D. disadvantageous because of non-uniformity in doneness**

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

[Question ID = 3482][Question Description = 132_60_BVE_SEP22_Q32]

1. A, B and D only [Option ID = 13925]
2. A, B and C only [Option ID = 13926]
3. B, C and D only [Option ID = 13927]
4. A, C and D only [Option ID = 13928]

33) The predominant unsaturated fatty acids in muscle fat is[Question ID = 3483][Question Description = 133_60_BVE_SEP22_Q33]

1. Palmitic acid [Option ID = 13929]
2. Stearic acid [Option ID = 13930]
3. Oleic acid [Option ID = 13931]
4. linoleic acid [Option ID = 13932]

34) Muscle food is an excellent source of[Question ID = 3484][Question Description = 134_60_BVE_SEP22_Q34]

1. Vit A [Option ID = 13933]
2. Vit B [Option ID = 13934]
3. Vit D [Option ID = 13935]
4. Vit E [Option ID = 13936]

35) A weight lifter requires phasic action of muscle and depends on[Question ID = 3485][Question Description = 135_60_BVE_SEP22_Q35]

1. Red muscle fibers [Option ID = 13937]
2. White muscle fibers [Option ID = 13938]
3. Intermediate type muscle fibers [Option ID = 13939]
4. better capillarized muscle fibers [Option ID = 13940]

36) The most abundant myofibrillar protein in adult mammalian muscle is[Question ID = 3486][Question Description = 136_60_BVE_SEP22_Q36]

1. Collagen [Option ID = 13941]
2. Myosin [Option ID = 13942]
3. Actin [Option ID = 13943]
4. M-protein [Option ID = 13944]

37) The poultry birds in which PSE is more prevalent is[Question ID = 3487][Question Description = 137_60_BVE_SEP22_Q37]

1. Duck [Option ID = 13945]
2. Pigeon [Option ID = 13946]
3. Turkey [Option ID = 13947]
4. Quail [Option ID = 13948]

38) As per AGMARK standards for table egg the medium grade eggs weigh approx[Question ID = 3488][Question Description = 138_60_BVE_SEP22_Q38]

1. 60-72g [Option ID = 13949]
2. 53-59g [Option ID = 13950]
3. 45-52g [Option ID = 13951]
4. 38-44g [Option ID = 13952]

39) BIS (Bureau of Indian Standards) erstwhile ISI works under the aegis of[Question ID = 3489][Question Description = 139_60_BVE_SEP22_Q39]

1. Ministry of Health and Family Welfare [Option ID = 13953]
2. Ministry of Agriculture and Farmer Welfare [Option ID = 13954]

3. Ministry of Consumer Affairs, Food and Public Distribution [Option ID = 13955]
4. Ministry of Food Processing and Consumer Affairs [Option ID = 13956]

40) Cod liver oil has high levels of[Question ID = 3490][Question Description = 140_60_BVE_SEP22_Q40]

1. Vitamin K [Option ID = 13957]
2. Vitamin B [Option ID = 13958]
3. Vitamin C [Option ID = 13959]
4. Vitamin D [Option ID = 13960]

41) Who coined the term "Genetics"

[Question ID = 3491][Question Description = 141_60_BVE_SEP22_Q41]

1. Johanssen [Option ID = 13961]
2. Sutton [Option ID = 13962]
3. Mendel [Option ID = 13963]
4. Bateson [Option ID = 13964]

42) Crossing of inbred lines take advantage of[Question ID = 3492][Question Description = 142_60_BVE_SEP22_Q42]

1. Inbreeding depression [Option ID = 13965]
2. Hybrid vigour [Option ID = 13966]
3. Loss of vigour [Option ID = 13967]
4. Increase in homozygosity [Option ID = 13968]

43) Percent of crossing over is more when

[Question ID = 3493][Question Description = 143_60_BVE_SEP22_Q43]

1. genes are located in a different cell [Option ID = 13969]
2. genes are located in same chromosome [Option ID = 13970]
3. linked genes are located close to each other [Option ID = 13971]
4. linked genes are located far apart from each other [Option ID = 13972]

44) Aneuploidy is mostly caused by

[Question ID = 3494][Question Description = 144_60_BVE_SEP22_Q44]

1. Nondisjunction [Option ID = 13973]
2. Disjunction [Option ID = 13974]
3. Crossing over [Option ID = 13975]
4. Mating [Option ID = 13976]

45) Which of the following system of mating changes the genetic composition without creating new genes?

[Question ID = 3495][Question Description = 145_60_BVE_SEP22_Q45]

1. Top crossing [Option ID = 13977]
2. Back crossing [Option ID = 13978]
3. Grading up [Option ID = 13979]
4. Rotational crossing [Option ID = 13980]

46) Selection of an animal based on its own performance is

[Question ID = 3496][Question Description = 146_60_BVE_SEP22_Q46]

1. Family selection [Option ID = 13981]
2. Mass selection [Option ID = 13982]
3. Sib selection [Option ID = 13983]
4. Pedigree selection [Option ID = 13984]

47) Choose the correct equation

[Question ID = 3497][Question Description = 147_60_BVE_SEP22_Q47]

1. $i = \sigma P / S$ [Option ID = 13985]
2. $S = \sigma P / i$ [Option ID = 13986]
3. $s = i\sigma P$ [Option ID = 13987]
4. $i = S\sigma P$ [Option ID = 13988]

48) Which of the following is incorrect[Question ID = 3498][Question Description = 148_60_BVE_SEP22_Q48]

1. Mule: Jack X Mare [Option ID = 13989]
2. Pien niu: Cattle X Yak [Option ID = 13990]
3. Hinny: Jack X Mare [Option ID = 13991]
4. Zeriad: Zebra X Horse [Option ID = 13992]

49) Frieswal breed of cattle was developed by crossing of[Question ID = 3499][Question Description = 149_60_BVE_SEP22_Q49]

1. Holstein Friesian and Tharparker [Option ID = 13993]
2. Holstein Friesian and Sahiwal [Option ID = 13994]
3. Holstein Friesian and Red Sindhi [Option ID = 13995]
4. Holstein Friesian and nondescript cattle [Option ID = 13996]

50) Interaction between alleles resulting in superiority of heterozygous individuals over others is called as[Question ID = 3500][Question Description = 150_60_BVE_SEP22_Q50]

1. Dominance [Option ID = 13997]
2. Partial dominance [Option ID = 13998]
3. Overdominance [Option ID = 13999]
4. Complete dominance [Option ID = 14000]

Topic:- 19 Livestock Production Management_PHD

1) Incidences of FMD and Brucellosis diseases can cause annual loss of about rupees to farmers due to lack of comprehensive livestock health management in our country.

[Question ID = 3551][Question Description = 101_218_LPM_SEP22_Q01]

1. Rs. 2000 crores [Option ID = 14201]
2. Rs. 5000 crores [Option ID = 14202]
3. Rs. 8000 crores [Option ID = 14203]
4. Rs. 12000 crores [Option ID = 14204]

2) Rashtriya Gokul Mission was started in which year and productivity (kg) of indigenous and non-descript cattle has reached to what level in 2020-21 under RGM?

[Question ID = 3552][Question Description = 102_218_LPM_SEP22_Q02]

1. Year 2012 and 992 kg, respectively [Option ID = 14205]
2. Year 2014 and 992 kg, respectively [Option ID = 14206]
3. Year 2016 and 1092 kg, respectively [Option ID = 14207]
4. Year 2018 and 1092 kg, respectively [Option ID = 14208]

3) The per capita availability of milk (gram/day) per day in India and world during the year 2020-21 was ?

[Question ID = 3553][Question Description = 103_218_LPM_SEP22_Q03]

1. 398 g/day and 310 g/day, respectively [Option ID = 14209]
2. 398 g/day and 321 g/day, respectively [Option ID = 14210]
3. 427 g/day and 321 g/day, respectively [Option ID = 14211]
4. 427 g/day and 341 g/day, respectively [Option ID = 14212]

4) The sub mission 'livestock insurance' under NLM, provides subsidy benefits to farmers and it can have how many total number animals of sheep, goat, pig and rabbit to make 5 units of cattle equivalent?

[Question ID = 3554][Question Description = 104_218_LPM_SEP22_Q04]

1. 25 sheep/goat/pig/rabbit [Option ID = 14213]
2. 35 sheep/goat/pig/rabbit [Option ID = 14214]
3. 50 sheep/goat/pig/rabbit [Option ID = 14215]
4. 75 sheep/goat/pig/rabbit [Option ID = 14216]

5) 'CARI Nirbheek' variety of poultry has been developed by cross of[Question ID = 3555][Question Description = 105_218_LPM_SEP22_Q05]

1. Aseel males × CARI Red hens [Option ID = 14217]
2. Kadaknath males × CARI Red hens [Option ID = 14218]
3. Aseel males × CARI-Shyama hens [Option ID = 14219]
4. Aseel males × Kalinga Brown hens [Option ID = 14220]

6) Total crossbred/exotic pig population in India according to 20th Livestock census[Question ID = 3556][Question Description = 106_218_LPM_SEP22_Q06]

1. 1.89 Million [Option ID = 14221]
2. 2.45 Million [Option ID = 14222]
3. 1.79 Million [Option ID = 14223]
4. 2.54 Million [Option ID = 14224]

7) Under free choice feeding (optimum conditions), crossbred cattle give how much more milk yield than their

contemporaries?[Question ID = 3557][Question Description = 107_218_LPM_SEP22_Q07]

1. 10-15 % [Option ID = 14225]
2. 15-25 % [Option ID = 14226]
3. 25-30 % [Option ID = 14227]
4. 30-60 % [Option ID = 14228]

8) Sickle shaped horns, long head, two white collars, one round the jaw and other at the brisket are present in which buffalo breed?

[Question ID = 3558][Question Description = 108_218_LPM_SEP22_Q08]

1. Mehsana [Option ID = 14229]
2. Surti [Option ID = 14230]
3. Nagpuri [Option ID = 14231]
4. Jaffarabdi [Option ID = 14232]

9) For development of Karakul crossbreds, which indigenous sheep has NOT been used in India?

[Question ID = 3559][Question Description = 109_218_LPM_SEP22_Q09]

1. Malpura [Option ID = 14233]
2. Sonadi [Option ID = 14234]
3. Marwari [Option ID = 14235]
4. Magra [Option ID = 14236]

10) In irrigated areas, how many high producing mutton sheep can be maintained per acre of land?[Question ID = 3560]

[Question Description = 110_218_LPM_SEP22_Q10]

1. 4-8 [Option ID = 14237]
2. 6-10 [Option ID = 14238]
3. 10-14 [Option ID = 14239]
4. 15-20 [Option ID = 14240]

11) In the balanced diet of stall fed goats, the ratio of concentrate, dry fodder and green fodder should be in the ratio of?

[Question ID = 3561][Question Description = 111_218_LPM_SEP22_Q11]

1. 1:2:2 [Option ID = 14241]
2. 1:1:1 [Option ID = 14242]
3. 1:1:2 [Option ID = 14243]
4. 1:2:1 [Option ID = 14244]

12) If 10-15% of gross income is contributed by livestock component on a agriculture farm then it is known as[Question ID =

3562][Question Description = 112_218_LPM_SEP22_Q12]

1. Specialised farming [Option ID = 14245]
2. Diversified farming [Option ID = 14246]
3. Mixed farming [Option ID = 14247]
4. Supplementary farming [Option ID = 14248]

13) Which of the following belong to long coarse wool breed of sheep?

[Question ID = 3563][Question Description = 113_218_LPM_SEP22_Q13]

1. Hampshire [Option ID = 14249]
2. Romney Marsh [Option ID = 14250]
3. Corriedale [Option ID = 14251]
4. Rambouillet [Option ID = 14252]

14) Which of the following statements is correct with respect to management of dairy animals?

- A. Incomplete milking is considered as best method of drying up
- B. Daily grooming and weekly twice washing is a recommended routine for dairy cattle
- C. A loss of 7-10% of body water can result in death
- D. Commercial preparation of disinfectant contain 9-12% of available chlorine

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

[Question ID = 3564][Question Description = 114_218_LPM_SEP22_Q14]

1. A and B only [Option ID = 14253]
2. A, B and C only [Option ID = 14254]
3. B, C and D only [Option ID = 14255]
4. A, B and D only [Option ID = 14256]

15) Which of the following statement is NOT true in relation to face out double row conventional barn?

[Question ID = 3565][Question Description = 115_218_LPM_SEP22_Q15]

1. Cows can get more fresh air from outside [Option ID = 14257]
2. Lesser danger of spread of respiratory disease [Option ID = 14258]
3. Supervisor can inspect a greater number of cows [Option ID = 14259]
4. Feeding of cows is easier as both rows can be fed without back tracking [Option ID = 14260]

16) For storage of feed and fodder for 10 adult cows, how much space (m^3) would be required for store construction?

[Question ID = 3566][Question Description = 116_218_LPM_SEP22_Q16]

1. 2 Cubic meter [Option ID = 14261]
2. 4 Cubic meter [Option ID = 14262]
3. 6 Cubic meter [Option ID = 14263]
4. 8 Cubic meter [Option ID = 14264]

17) The heel region (lower hind portion) of stall division in horse stall is protected with a mild steel plate of what dimensions?[Question ID = 3567][Question Description = 117_218_LPM_SEP22_Q17]

1. 0.5 ×1 Meter [Option ID = 14265]
2. 1.0 ×0.9 Meter [Option ID = 14266]
3. 0.9 ×2 Meter [Option ID = 14267]
4. 2.0 ×2.5 Meter [Option ID = 14268]

18) Sperms remain viable for..... hours in female reproductive tract whereas ovum remains fertile for about hours after ovulation[Question ID = 3568][Question Description = 118_218_LPM_SEP22_Q18]

1. 10-12 hours and 12 hours respectively [Option ID = 14269]
2. 12-24 hours and 10 hours respectively [Option ID = 14270]
3. 24-36 hours and 10 hours respectively [Option ID = 14271]
4. 36-48 hours and 10 hours respectively [Option ID = 14272]

19) Out of following statements, Which of following statements are correct?

- A. Thawing of frozen semen is done at 37-40 °C for 0.5-1 minute
- B. Tris and citric acid whey are mostly used for freezing of buffalo bull semen
- C. Solid carbon di-oxide (dry ice) has temperature of -89 °C
- D. HRS index is a useful measure of productive efficiency of cows

[Question ID = 3569][Question Description = 119_218_LPM_SEP22_Q19]

1. A and B only [Option ID = 14273]
2. B and C only [Option ID = 14274]
3. A and D only [Option ID = 14275]
4. C and D only [Option ID = 14276]

20) The age of puberty of indigenous cattle and buffaloes in India is[Question ID = 3570][Question Description = 120_218_LPM_SEP22_Q20]

1. 1-1.5 years [Option ID = 14277]
2. 2-2.5 years [Option ID = 14278]
3. 2.5-3.0 years [Option ID = 14279]
4. 3.5-4.0 years [Option ID = 14280]

21) Which of the following do NOT cause deviation from Hardy-Weinberg equilibrium/law?

[Question ID = 3571][Question Description = 121_218_LPM_SEP22_Q21]

1. Selection [Option ID = 14281]
2. Mutation [Option ID = 14282]
3. Migration [Option ID = 14283]
4. Random Mating [Option ID = 14284]

22) The difference between selected average and population average for a trait is known as?[Question ID = 3572][Question Description = 122_218_LPM_SEP22_Q22]

1. Response to selection [Option ID = 14285]
2. Hybrid vigour [Option ID = 14286]
3. Selection differential [Option ID = 14287]
4. Genetic gain [Option ID = 14288]

23) Which statement regarding heritability is NOT true?

- A. The observed response to selection leads to estimate of realized heritability
- B. Range of heritability is 0-1 and it is regression of breeding value on phenotypic value
- C. Heritability is estimated from degree of differences between relatives
- D. Heritability is not related with variance

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

[Question ID = 3573][Question Description = 123_218_LPM_SEP22_Q23]

1. A and B only [Option ID = 14289]
2. B and C only [Option ID = 14290]
3. C and D only [Option ID = 14291]
4. A and D only [Option ID = 14292]

24) Lactation requirements of goat is ____ g TDN and ____ g DCP per kg of 4% FCM over and above maintenance requirement.

[Question ID = 3574][Question Description = 124_218_LPM_SEP22_Q24]

1. 215 g and 15 g respectively [Option ID = 14293]
2. 15 g and 215 g respectively [Option ID = 14294]
3. 345 g and 45 g respectively [Option ID = 14295]
4. 45 g and 345 g respectively [Option ID = 14296]

25) In green forages and other roughages, which fatty acid is present around 60 - 70% ?[Question ID = 3575][Question Description = 125_218_LPM_SEP22_Q25]

1. Linolenic acid [Option ID = 14297]
2. Linoleic acid [Option ID = 14298]
3. Palmitic acid [Option ID = 14299]
4. Oleic acid [Option ID = 14300]

26) *B. abortus* Strain 19 vaccination is done in[Question ID = 3576][Question Description = 126_218_LPM_SEP22_Q26]

1. Breeding bulls at semen donating stage [Option ID = 14301]
2. All cattle and buffalo at any age [Option ID = 14302]
3. Male cattle and buffalo calves of age 3 to 6 weeks [Option ID = 14303]
4. Female cattle and buffalo calves of age 4 to 8 months [Option ID = 14304]

27) The head quarter of World Organization for Animal Health is located at[Question ID = 3577][Question Description = 127_218_LPM_SEP22_Q27]

1. Paris [Option ID = 14305]
2. New York [Option ID = 14306]
3. Geneva [Option ID = 14307]
4. Rio de Janeiro [Option ID = 14308]

28) Beta-casein protein in A2 milk is said to be containing the following amino acid at 67th position on protein chain

[Question ID = 3578][Question Description = 128_218_LPM_SEP22_Q28]

1. Histidine [Option ID = 14309]
2. Arginine [Option ID = 14310]
3. Valine [Option ID = 14311]
4. Proline [Option ID = 14312]

29) For maintaining efficiency of production, it is necessary to replace ____ cows with freshly calved heifer cows.

[Question ID = 3579][Question Description = 129_218_LPM_SEP22_Q29]

1. 10% [Option ID = 14313]
2. 20% [Option ID = 14314]
3. 30% [Option ID = 14315]
4. 40% [Option ID = 14316]

30) The following shade material has least thermal conductivity ((Kcal/mt,deg C)[Question ID = 3580][Question Description = 130_218_LPM_SEP22_Q30]

1. RCC [Option ID = 14317]
2. Thatch [Option ID = 14318]
3. Asbestos [Option ID = 14319]
4. GI sheets [Option ID = 14320]

31) The average yield (kg) of milk/d/animal in milk of non-descript cow at national level during 2020-21 (provisional) was[Question ID = 3581][Question Description = 131_218_LPM_SEP22_Q31]

1. 7.22 [Option ID = 14321]
2. 3.34 [Option ID = 14322]
3. 2.71 [Option ID = 14323]
4. 6.41 [Option ID = 14324]

32) Most appropriate vacuum level in milking machine for crossbred dairy cows is[Question ID = 3582][Question Description = 132_218_LPM_SEP22_Q32]

1. 16 kPa [Option ID = 14325]
2. 26 kPa [Option ID = 14326]
3. 32 kPa [Option ID = 14327]
4. 42 kPa [Option ID = 14328]

33) As per FSSAI standards, camel milk in all India should contain minimum milk fat and SNF, respectively[Question ID = 3583][Question Description = 133_218_LPM_SEP22_Q33]

1. 2 and 6% [Option ID = 14329]
2. 3 and 7% [Option ID = 14330]
3. 4 and 7.5% [Option ID = 14331]
4. 4.5 and 8% [Option ID = 14332]

34) Indigenous bullocks can be put to work when they are[Question ID = 3584][Question Description = 134_218_LPM_SEP22_Q34]

1. 1-2 years of age [Option ID = 14333]
2. 2-3 years of age [Option ID = 14334]
3. 3-4 years of age [Option ID = 14335]
4. 4-5 years of age [Option ID = 14336]

35) Average dry matter intake (%) of its body weight in a camel is[Question ID = 3585][Question Description = 135_218_LPM_SEP22_Q35]

1. 4.1 [Option ID = 14337]
2. 3.6 [Option ID = 14338]
3. 2.5 [Option ID = 14339]
4. 1.7 [Option ID = 14340]

36) FROGIN is a[Question ID = 3586][Question Description = 136_218_LPM_SEP22_Q36]

1. Software for forecasting gastrointestinal nematodiasis in sheep [Option ID = 14341]
2. Area specific mineral mixture for bulls [Option ID = 14342]
3. Online portal for identification of animals [Option ID = 14343]
4. Software for calculating least cost ration [Option ID = 14344]

37) Recently registered breed of sheep "Kajali" belongs to the state[Question ID = 3587][Question Description = 137_218_LPM_SEP22_Q37]

1. Uttar Pradesh [Option ID = 14345]
2. Andhra Pradesh [Option ID = 14346]
3. Tamil Nadu [Option ID = 14347]
4. Punjab [Option ID = 14348]

38) The fine grade wool has spinning count of[Question ID = 3588][Question Description = 138_218_LPM_SEP22_Q38]

1. 64s to 80s [Option ID = 14349]
2. 50s to 62s [Option ID = 14350]
3. 44s to 50s [Option ID = 14351]
4. Less than 44s [Option ID = 14352]

39) For better results during incubation of chicken eggs, the temperature (°C) in setter for forced draft incubator should be

[Question ID = 3589][Question Description = 139_218_LPM_SEP22_Q39]

1. 39-39.5 [Option ID = 14353]
2. 37.5-38 [Option ID = 14354]
3. 36-37 [Option ID = 14355]
4. 35.5-36 [Option ID = 14356]

40) Paralysis of wings or neck, blindness and skin tumors in chicken are classical signs of[Question ID = 3590][Question Description = 140_218_LPM_SEP22_Q40]

1. Fowl pox [Option ID = 14357]
2. IBD [Option ID = 14358]
3. Marek's disease [Option ID = 14359]
4. Ranikhet disease [Option ID = 14360]

41) The yolk percentage in an average chicken egg is[Question ID = 3591][Question Description = 141_218_LPM_SEP22_Q41]

1. 20 [Option ID = 14361]
2. 31 [Option ID = 14362]
3. 39 [Option ID = 14363]
4. 58 [Option ID = 14364]

42) A dark depression on the table surface of incisor tooth in a horse is called[Question ID = 3592][Question Description = 142_218_LPM_SEP22_Q42]

1. Galvayne's groove [Option ID = 14365]
2. Dental star [Option ID = 14366]
3. Alveolus [Option ID = 14367]
4. Infundibulum [Option ID = 14368]

43) Pregmare kit for pregnancy diagnosis is based on detection of[Question ID = 3593][Question Description = 143_218_LPM_SEP22_Q43]

1. PMSG [Option ID = 14369]
2. Progesterone [Option ID = 14370]
3. Oestrogen [Option ID = 14371]
4. Oxytocin [Option ID = 14372]

44) Milk production during its lactation in a sow reaches maximum in the week[Question ID = 3594][Question Description = 144_218_LPM_SEP22_Q44]

1. First [Option ID = 14373]
2. Second [Option ID = 14374]
3. Third [Option ID = 14375]
4. Fourth [Option ID = 14376]

45) The piglets are born with the following number of needle teeth[Question ID = 3595][Question Description = 145_218_LPM_SEP22_Q45]

1. 4 [Option ID = 14377]
2. 6 [Option ID = 14378]
3. 8 [Option ID = 14379]
4. 10 [Option ID = 14380]

46) Flushing is done in sows about[Question ID = 3596][Question Description = 146_218_LPM_SEP22_Q46]

1. Two weeks before breeding [Option ID = 14381]
2. Three weeks before parturition [Option ID = 14382]
3. Three weeks after parturition [Option ID = 14383]
4. Two weeks before weaning [Option ID = 14384]

47) Act of parturition in rabbit is called as[Question ID = 3597][Question Description = 147_218_LPM_SEP22_Q47]

1. Kindling [Option ID = 14385]
2. Calving [Option ID = 14386]
3. Gelding [Option ID = 14387]
4. Farrowing [Option ID = 14388]

48) Project elephant was launched by the Government of India as a Centrally Sponsored Scheme in the year[Question ID = 3598][Question Description = 148_218_LPM_SEP22_Q48]

1. 1992 [Option ID = 14389]
2. 1947 [Option ID = 14390]
3. 1951 [Option ID = 14391]
4. 1973 [Option ID = 14392]

49) When stored, hay should have moisture (%) NOT more than

[Question ID = 3599][Question Description = 149_218_LPM_SEP22_Q49]

1. 50 [Option ID = 14393]
2. 40 [Option ID = 14394]
3. 30 [Option ID = 14395]
4. 20 [Option ID = 14396]

50) DAHD, GoI launched epashuhaat transportal for online trade in bovine germplasm in the year[Question ID = 3600]
[Question Description = 150_218_LPM_SEP22_Q50]

1. 2016 [Option ID = 14397]
2. 2017 [Option ID = 14398]
3. 2018 [Option ID = 14399]
4. 2019 [Option ID = 14400]