

PROVISIONAL ANSWER KEY

Question 5/2025/OL

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Department Animal Husbandry

Question1:-Point of hock in horse is formed by

A:-Tuber coxae

B:-Tuber sacrale

C:-Tuber ischii

D:-Tuber calcis

Correct Answer:- Option-D

Question2:-Right atrium of heart in ox is characterized by

- i. Trabeculae carnae
- ii. Musculi pectinati
- iii. Coronary sinus
- iv. Supraventricular crest

A:-Only i and ii

B:-Only ii and iii

C:-Only iii and iv

D:-Only ii, iii and iv

Correct Answer:- Option-B

Question3:-The structures which are included in the spermatic cord in bull is

- i. Cremaster internus muscle
- ii. Cremaster externus muscle
- iii. Vas deferens
- iv. Testicular artery

A:-Only i, ii and iii

B:-Only ii, iii and iv

C:-Only i, iii and iv

D:-All the above

Correct Answer:- Option-C

Question4:-Which among the following organs are lined by stratified squamous epithelium ?

- i. Oesophagus
- ii. Reticulum
- iii. Abomasum
- iv. Colon

A:-Only i and ii

B:-Only i and iii

C:-Only ii and iii

D:-Only ii and iv

Correct Answer:- Option-A

Question5:-Aldosterone act on distal convoluted tubule and collecting duct of nephron.

- i. It increases sodium absorption.
- ii. It increases potassium absorption.
- iii. It increases sodium excretion.
- iv. It increases potassium excretion.

Which all above statements about aldosterone action on DCT are correct ?

A:-Both i and ii are correct

B:-Both i and iii are correct

C:-Both i and iv are correct

D:-Both iii and iv are correct

Correct Answer:- Option-C

Question6:-SA node is the pacemaker of heart because

- i. SA node has large number of voltage gated sodium ion channels.
- ii. SA node has large number of potassium leaky channels.
- iii. SA node has a lower RMP compared to other cardiac cells.
- iv. SA node has large number of sodium leaky channels.

Out of the above statements which all statements are correct ?

A:-Both i and ii are correct

B:-Both i and iii are correct

C:-Both ii and iii are correct

D:-Both iii and iv are correct

Correct Answer:- Option-D

Question7:-Sickle cell anemia is due to

A:-Alteration in Pyrrole ring of Hb

B:-Alteration in alpha chain of globin

C:-Alteration in beta chain of globin

D:-Alteration in gamma chain of globin

Correct Answer:- Option-C

Question8:-Fovea centralis is a small pit in retina

- i. It consists of densely packed rods.
- ii. It is a spot of colour vision.
- iii. It consists of densely packed cones.
- iv. It is a spot of dim light vision.

Out of the above statements which all statements are wrong ?

A:-Both i and ii are wrong

B:-Both ii and iii are wrong

C:-Both i and iv are wrong

D:-Both iii and iv are wrong

Correct Answer:- Option-C

Question9:-Chemical that act as energy buffer in muscle is creatine phosphate. Which statement about creatine phosphate is wrong ?

A:-Creatine phosphate is also called as ATP sparer

B:-Creatine phosphate concentration in muscle is more than that of ATP

C:-Creatine phosphate help ATP to ADP conversion

D:-Creatine phosphate carries high energy phosphate bond

Correct Answer:- Option-C

Question10:-Which milk component determines the volume of milk ?

A:-Lactose

B:-Casein

C:-Fat

D:-All the above

Correct Answer:- Option-A

Question11:-Protein content in Colostrum of Cow's milk is

A:-3.3%

B:-6.7%

C:-14.3%

D:-8.5%

Correct Answer:- Option-C

Question12:-On which day of incubation chicken eggs are candled to remove infertile eggs ?

A:-13th day

B:-7th day

C:-18th day

D:-3rd day

Correct Answer:- Option-B

Question13:-African elephants are different from Asian elephants on the following :

i. Ears

ii. Tusk

A:-i is correct

B:-ii is correct

C:-Both i and ii are correct

D:-Both i and ii are not correct

Correct Answer:- Option-C

Question14:-Ideal depth of Manger for a dairy cow is

A:-20 cm

B:-60 cm

C:-40 cm

D:-30 cm

Correct Answer:- Option-C

Question15:-Total number of permanent premolar and molar teeth present in white cattle

A:-16

B:-24

C:-12

D:-32

Correct Answer:- Option-B

Question16:-Back pressure test is an ideal method for heat detection in

A:-Buffaloes

B:-Sheep

C:-Horses

D:-Pigs

Correct Answer:- Option-D

Question17:-Crutching is a managerial practice followed in

A:-Horse breeding

B:-Pig breeding

C:-Buffalo breeding

D:-Sheep breeding

Correct Answer:- Option-D

Question18:-Moisture content of Hay is

A:-40%

B:-65%

C:-15%

D:-85%

Correct Answer:- Option-C

Question19:-Quantity of Urea required to enrich 1000 kg of paddy straw

A:-10 kg

B:-80 kg

C:-20 kg

D:-40 kg

Correct Answer:- Option-D

Question20:-'Kambala' sport involves the following species of livestock and poultry

A:-Chicken

B:-White cattle

C:-Sheep

D:-Buffalo

Correct Answer:- Option-D

Question21:-Name the amphistome species in which distinct genital sucker surrounds genital pore is

A:-*Gastrothylax crumenifer*

B:-*Cotylophoron cotylophorum*

C:-*Fischoederius elongatus*

D:-*Fischoederius cobboldi*

Correct Answer:- Option-B

Question22:-In sheep, nodular enteritis is a characteristic feature of infection with

A:-*Avitellina lahorea*

B:-*Moniezia expansa*

C:-*Stilesia hepatica*

D:-*Stilesia globipunctata*

Correct Answer:- Option-D

Question23:-**Assertion (A)** : Sheep that have already exposed for infection with *Oesophagostomum columbianum*, nodules are formed in colon.

Reason (R) : Marked immune reaction take place around the larva in mucosa during migration and eventually more nodules are formed in colon, while few adult worms are seen in colon.

A:-Both (A) and (R) are true and (R) is the correct explanation of (A)

B:-Both (A) and (R) are true but (R) is not correct explanation of (A)

C:- (A) is true but (R) is false

D:- (A) is false but (R) is true

Correct Answer:- Option-A

Question24:-"Sweet itch" in horses is due to the secretion of saliva of

A:-*Gasterophilus equi*

B:-*Simulium indicum*

C:-*Culicoides robertsi*

D:-*Hippobosca equina*

Correct Answer:- Option-C

Question25:-Nasopharyngeal myiasis in animals is caused by the larvae of

A:-*Cobboldia*

B:-*Oestrus ovis*

C:-*Cephalopina titillator*

D:-Both (2) and (3)

Correct Answer:- Option-D

Question26:-In *Hepatozoon canis*, the appearance of meronts in tissues is described as

A:-Salt and Pepper

B:-Onion skin

C:-Wheel spoke

D:-Ladder-like

Correct Answer:- Option-C

Question27:-**Assertion (A)** : Faecal examination is unsuitable for diagnosing caecal coccidiosis in fowl.

Reason (R) : Oocysts are typically excreted in faeces around 7 days post-infection(dpi), whereas peak haemorrhage and mortality occur around 4 days post-infection(dpi).

A:-Both (A) and (R) are true and (R) is the correct explanation of (A)

B:-Both (A) and (R) are true but (R) is not the correct explanation of (A)

C:- (A) is true but (R) is false

D:- (A) is false but (R) is true

Correct Answer:- Option-A

Question28:-The following database/s is/are considered as Nucleic acid database:

- i. National Center for Biotechnology Information (NCBI)
- ii. EMBL database
- iii. DNA data bank of Japan
- iv. SWISS-PROT

A:-Only (i and ii)

B:-Only (ii and iii)

C:-Only (i, ii and iii)

D:-Only (iv)

Correct Answer:- Option-C

Question29:-Glasser's disease in Swine is caused by

A:-*Haemophilus parasuis*

B:-*Erysipelothrix rhusiopathiae*

C:-*Actinobaculum suis*

D:-*Mycoplasma hyopneumoniae*

Correct Answer:- Option-A

Question30:-Which of the following statements is/are correct about Dimorphic fungi ?

- i. *Sporothrix schenckii* exhibits cigar shaped yeast form at 35-37°C.
- ii. *Coccidioides immitis* forms Macro and Microconidia at 25-30°C.
- iii. *Histoplasma capsulatum var. farciminosum* forms spherical sporangia called spherules
contains hundreds of endospores.
- iv. Histoplasmosis can be serodiagnosed by Histoplasmin skin test.

A:-Only (i and ii)

B:-Only (ii and iii)

C:-Only (i and iv)

D:-Only (iii and iv)

Correct Answer:- Option-C

Question31:-Which of the following statements is/are correct about Reoviridae virus family ?

- i. Reoviridae viruses are non-enveloped and icosahedral symmetry in nature.
- ii. The genus Orbivirus, Rotavirus and Coltivirus has 10, 11 and 12 segments of RNA genome respectively.
- iii. Culicoides species act as a biological vector for the transmission of Bluetongue virus and African Horse sickness virus.
- iv. Reoviridae family viruses having single stranded RNA viral genome.

A:-Only (i and ii)

B:-Only (ii and iii)

C:-Only (iv)

D:-Only (i, ii and iii)

Correct Answer:- Option-D

Question32:-The following influenza virus subtype/s is/are responsible for causing Equine Influenza in Horse

- i. H7N7
- ii. H1N1
- iii. H3N8
- iv. H5N1

A:-Only (i and ii)

B:-Only (i and iii)

C:-Only (i, ii and iii)

D:-Only (iv)

Correct Answer:- Option-B

Question33:-Which of the following statements is/are correct about IgA antibody ?

- i. IgA antibody does not have a hinge region, instead it has an additional fourth constant

Domain (C_H4).

- ii. IgA antibody is transported on to mucosal secretions through epithelial cells

with the help

of secretory component.

- iii. Polymeric immunoglobulin receptor (pIgR) is also called secretory component.
- iv. pIgR protects the IgA antibody from digestion by intestinal protease enzyme.

A:-Only (i)

B:-Only (i and ii)

C:-Only (i and iii)

D:-Only (ii, iii and iv)

Correct Answer:- Option-D

Question34:-Which of the following statement is/are correct about Lymphnode ?

- i. B cells predominantly populated in the Cortex area.
- ii. T cells predominantly populated in the Paracortex area.
- iii. Lymphnodes traps the antigens carried in the blood stream.
- iv. Immunoglobulin class switching and memory cell formation takes place in the Germinal Center.

A:-Only (i)

B:-Only (i and ii)

C:-Only (i, ii and iv)

D:-Only (iv)

Correct Answer:- Option-C

Question35:-Which of the following statement(s) is/are correct about acute inflammation ?

- i. The most common mechanism responsible for increased vascular permeability is the formation of endothelial gaps in post capillary venules.
- ii. The most common mechanism responsible for increased vascular permeability is the formation of endothelial gaps in capillaries.
- iii. Formation of endothelial gaps in arterioles is the most common mechanism responsible for increased vascular permeability.
- iv. Leukotrienes are more potent chemical mediators than histamine in producing increased vascular permeability.

A:-Only (ii)

B:-Both (i) and (iv)

C:-Both (ii) and (iv)

D:-Only (iv)

Correct Answer:- Option-B

Question36:-During the necropsy of a pig, diffuse distribution of inflammatory lesions involving all lobes of lungs was observed. On incision, the cut surface of the lungs had meaty appearance. Microscopic examination revealed the presence of hyaline membrane and hyperplasia of type II pneumocytes in lungs. The animal

was suffering from _____ type of pneumonia.

A:-Suppurative bronchopneumonia

B:-Fibrinous bronchopneumonia

C:-Interstitial pneumonia

D:-Granulomatous pneumonia

Correct Answer:- Option-C

Question37:-Examine the statements about hog cholera.

- i. After entry into the susceptible animals, primary replication of the virus occurs in retropharyngeal lymph nodes.
- ii. The virus damages both epithelial and endothelial cells.
- iii. Splenic infarct is distinctive necropsy finding.

Choose the correct answer from the options given below :

A:-All statements are false

B:-Statement (i) and (iii) are true and statement (ii) is false.

C:-Only statement (iii) is false

D:-Statement (i) is false and statement (ii) is true

Correct Answer:- Option-D

Question38:-Microscopic examination of a biopsy sample from oral cavity of a dog revealed neoplastic epithelial cells infiltrating into submucosa through the basement membrane of mucosa and occur as nests and trabeculae in the submucosa. Neoplastic cells showed marked anisocytosis, anisokaryosis, increased nuclear to cytoplasmic ratio, marked pleomorphism, mitotic figures and disorderly maturation of epithelial cells. Diagnose the condition.

A:-Papilloma

B:-Sarcoma

C:-Carcinoma

D:-Adenoma

Correct Answer:- Option-C

Question39:-Examine the following lesions in chickens and choose your diagnosis

- i. Caseous exudate in trachea, bronchial bifurcation and air sacs.
- ii. Swollen and pale kidneys with tubules distended with urates.
- iii. Reduced length and weight of the oviduct.
- iv. Curling and dwarfing of the chicken embryo.

A:-Infectious bursal disease

B:-Infectious bronchitis

C:-Colibacillosis

D:-Salmonellosis

Correct Answer:- Option-B

Question40:-Examine the following statements about the bacterial diseases in rabbits and choose the most appropriate answer.

- i. Pneumonia is the most common manifestation of the rabbit pasteurellosis.

- ii. In Tyzzer's disease, the characteristic lesions are predominantly seen in lungs.
- iii. Treponematosis is characterised mainly by systemic infections.

A:-Only statement (i) is true

B:-Only statement (ii) is false

C:-Statement (i) and statement (ii) are true

D:-Statement (i), (ii) and (iii) are false

Correct Answer:- Option-D

Question41:-In metazoonoses type III subgroup, the hosts involved in the transmission of infectious agent are

- i. Vertebrate host
- ii. Invertebrate host
- iii. Invertebrate host, vertebrate host and non-animate substance

A:-Only i

B:-Only iii

C:-Both i and ii

D:-Only ii

Correct Answer:- Option-C

Question42:-Casoni's test is used to diagnose

A:-Hydatidosis

B:-Lyme disease

C:-Leishmaniasis

D:-Anthrax

Correct Answer:- Option-A

Question43:-Bagassosis is a disease condition caused by inhalation of

A:-Sugar cane dust

B:-Cotton fibre dust

C:-Grain dust

D:-Silica dust

Correct Answer:- Option-A

Question44:-The animal which is considered as an amplifier host for Japanese encephalitis virus is

A:-Horse

B:-Pig

C:-Dog

D:-Cattle

Correct Answer:- Option-B

Question45:-Scrub typhus is a zoonotic rickettsial illness which is transmitted by

A:-Ticks

B:-Mosquitoes

C:-Mites

D:-Fleas

Correct Answer:- Option-C

Question46:-An occurrence of a disease in excess of its anticipated frequency is called

A:-Epidemic

B:-Pandemic

C:-Endemic

D:-Sporadic

Correct Answer:- Option-A

Question47:-An observational study in which a group of animals exposed to a hypothesised risk factor is compared with an unexposed group to record the development of disease in each group is called as

A:-Cross-sectional study

B:-Cohort study

C:-Case control study

D:-Ecological studies

Correct Answer:- Option-B

Question48:-ISO 14000 is related to

A:-Food safety management

B:-Environment management

C:-Laboratory quality management

D:-All of the above

Correct Answer:- Option-B

Question49:-According to Bio-Medical Waste (Management and Handling) Rules 2016, waste sharps including metals are segregated in _____ colour coded containers.

A:-Red

B:-Yellow

C:-White

D:-Black

Correct Answer:- Option-C

Question50:-Which among the following statements is incorrect with respect to Kyasanur forest disease ?

A:-It is zoonotic disease caused by highly infectious mosquito borne bacteria

B:-Monkeys and humans are susceptible to the disease

C:-It was first discovered in 1957 from Kyasanur forest area of Shimoga district

D:-KFD vaccines are used in humans in endemic areas

Correct Answer:- Option-A

Question51:-The following are five events in meiotic cell division in eukaryotes. Arrange them in the correct order of occurrence during the meiotic cell division.

- i. Chromosomes appear as long single threads
- ii. Synapiss
- iii. Crossing over
- iv. Movement of chiasmata along the length of chromosome
- v. Replication of DNA and histones

A:-(i, ii, iii, iv and v)

B:-(ii, iii, iv, v and i)

C:-(v, ii, iii, iv and i)

D:-(v, i, ii, iii and iv)

Correct Answer:- Option-D

Question52:-When a character in human beings is more common in men than in women, rarely appears in both father and son and does not occur in women unless her father exhibits it, what inference can be drawn about the gene involved based on the pattern of inheritance described ?

A:-Y-linked recessive gene

B:-Sex-linked recessive gene

C:-Autosomal dominant gene

D:-Y-linked lethal gene

Correct Answer:- Option-B

Question53:-The Hardy-Weinberg law states that gene and genotype frequencies remain constant under certain conditions. Which of the following is NOT a required condition for Hardy-Weinberg equilibrium ?

- i. No migration occurs in the population.
- ii. Random mating takes place.
- iii. Fertility and viability differ among genotypes.
- iv. The population size is small.

A:-Only (i and ii)

B:-Only (i, ii and iii)

C:-Only (iii and iv)

D:-Only (i, ii and iv)

Correct Answer:- Option-C

Question54:-Which of the following is true regarding the selection of dairy animals ?

- i. Genetic variability is the raw material for artificial selection.
- ii. High-intensity selection can lead to inbreeding in small populations.
- iii. The selection will be more accurate when the heritability of the trait is high.
- iv. Artificial insemination helps achieve a higher intensity of selection.

A:-Only (i, ii and iv)

B:-Only (i, iii and iv)

C:-Only (ii, iii and iv)

D:-All of the above (i, ii, iii and iv)

Correct Answer:- Option-D

Question55:-When a large number of lines or individuals are crossed in all combinations, the mean performance of a line in all its crosses, expressed as deviation from the overall mean of crosses is called

A:-General combining ability of the line

B:-Specific combining ability of the lines

C:-Heritability of the line

D:-Repeatability of the line

Correct Answer:- Option-A

Question56:-Which of the following statements accurately explains the poor quality of straw ?

- i. Formation of bonds between lignin and structural polysaccharides.
- ii. Low digestibility.
- iii. Deficient in minerals, proteins, vitamins and fatty acids.
- iv. High silica content.

A:-Only (i, ii and iv)

B:-Only (i, ii and iii)

C:-All of the above (i, ii, iii and iv)

D:-Only (ii, iii and iv)

Correct Answer:- Option-C

Question57:-Which of the following are essential characteristics of good-quality silage ?

- i. High lactic acid content.
- ii. Low pH (around 3.5 to 4.5).
- iii. Presence of butyric acid in significant amounts.
- iv. Absence of mould spoilage.

A:-Only (i, ii and iii)

B:-Only (i, ii and iv)

C:-Only (ii, iii and iv)

D:-All of the above (i, ii, iii and iv)

Correct Answer:- Option-B

Question58:-Which of the following are true about feeding standards in animal nutrition ?

- i. Morrison's feeding standard averages were initially used for Indian livestock.
- ii. The Scandinavian standard uses feed units for formulation.
- iii. The National Research Council (NRC) feeding standards utilize metabolizable energy and Net Energy Systems for specific purposes like maintenance, growth and lactation.
- iv. The Starch Equivalent System is associated with the Kellner Feeding Standard.

A:-Only (i and ii)

B:-Only (iii and iv)

C:-(ii, iii and iv)

D:-All of the above (i, ii, iii and iv)

Correct Answer:- Option-D

Question59:-Which of the following conditions must be met for urea to be used effectively as a protein replacer in ruminants ?

i. The diet should include adequate soluble carbohydrate sources for efficient utilisation of urea.

ii. Ruminants must be gradually adapted to urea to avoid toxicity.

iii. Urea can be added at the rate of 30% of the concentrate mixture since the ruminant's

natural feed also contains 30% of the nitrogen as non-protein nitrogenous substances.

iv. Urea is suitable as a protein replacer in poultry and pigs.

A:-Only (i and ii)

B:-Only (i and iii)

C:-Only (ii and iv)

D:-Only (i and iv)

Correct Answer:- Option-A

Question60:-What is the primary cause of crazy chick disease in poultry ?

A:-Deficiency of vitamin A

B:-Deficiency of vitamin E

C:-Excess selenium in the diet

D:-Excess protein in the diet

Correct Answer:- Option-B

Question61:-Duration of the "fertilization period" in dogs following the LH surge.

A:-2-3 days

B:-4-7 days

C:-48-60 days

D:-8-10 days

Correct Answer:- Option-B

Question62:-On which days of a normal oestrous cycle is gonadotrophin treatment typically initiated for optimum response in MOET in cattle ?

A:-Days 0-5

B:-Days 5-9

C:-Days 9-14

D:-Day 14-18

Correct Answer:- Option-C

Question63:-Which reproductive phase in cattle is characterized by low FSH, high LH and high inhibin levels as endocrine requirements for follicular growth ?

A:-Recruitment

B:-Selection

C:-Dominance

D:-Atresia

Correct Answer:- Option-C

Question64:-Which agent is used as a 'holding injection' to treat infertility in cattle caused by luteal deficiency ?

A:-FSH

B:-LH

C:-Progestagens

D:-Cloprostenol

Correct Answer:- Option-B

Question65:-Which characteristic defines Class II anoestrus in cattle ?

A:-Presence of ovarian cyst

B:-Regression of developed follicle

C:-Bilateral inactive ovaries

D:-Persistent CL

Correct Answer:- Option-C

Question66:-In cows, starting the Ovsynch protocol during which stage of the oestrous cycle increases the probability of synchronization and conception ?

A:-Days 0 to 4 of the cycle

B:-Days 5 to 9 of the cycle

C:-Days 10 to 14 of the cycle

D:-Days 15 to 19 of the cycle

Correct Answer:- Option-B

Question67:-Which of the following statements about hydrallantois in cattle is incorrect ?

A:-Hydrallantois is associated with placental dysfunction and is observed with uterine and placental diseases.

B:-The condition is more commonly seen in dams carrying multiple foetuses.

C:-The foetus and palcentomes are easily palpable during rectal examination in cases of hydrallantois.

D:-Severe hydrallantois can lead to progressive abdominal distention, material tachycardia and metabolic complications such as ketosis.

Correct Answer:- Option-C

Question68:-Which of the following is not true regarding pseudopregnancy in cats ?

- A:-It occurs following sterile matings
- B:-It can result from spontaneous ovulation
- C:-Associated with behavioural changes or lactation
- D:-Shorter duration than gestation period

Correct Answer:- Option-C

Question69:-Which condition in cattle is associated with adopting a "Rocking Horse Stance" ?

- A:-Uterine torsion
- B:-Uterine prolapse
- C:-Puerperal metritis
- D:-Hydramnios

Correct Answer:- Option-A

Question70:-Which hypothalamic nucleus is not involved in the tonic release of gonadotropins ?

- A:-Ventromedial nucleus
- B:-Arcuate nucleus
- C:-Median eminence
- D:-Preoptic nucleus

Correct Answer:- Option-D

Question71:-One of the following facts is not true about oral route of administration

- A:-Some drugs are ineffective through oral route because they are destroyed rapidly
- B:-Strongly electrolyte or highly polar drugs are absorbed through oral route very efficiently
- C:-It is most suitable route for gastrointestinal tract infections and parasites
- D:-Drug adsorption for many drugs is often irregular and unpredictable

Correct Answer:- Option-B

Question72:-The important parameter for measuring the bioavailability is

- A:-Area Under Curve (AUC)
- B:-Volume of Distribution (V_d)
- C:-Half-Life ($t_{1/2}$)
- D:-Body clearance (Cl_B)

Correct Answer:- Option-A

Question73:-Succinylcholine

- A:-Is a depolarizing muscle relaxant

B:-Is a non-depolarizing muscle relaxant

C:-Is used in horses relatively smaller doses than used in cattle

D:-None of the above

Correct Answer:- Option-A

Question74:-Assertion reason type :

Assertion (A) : Xylazine is much more potent sedative in cattle than other species.

Reason (R) : Ruminants are more sensitive to α_2 agonist.

Select your answer.

A:-(A) is true but (R) is false

B:-(A) and (R) are false

C:-(A) and (R) are true and (R) is the correct reason for (A)

D:-(A) and (R) are true and (R) is not the correct reason for (A)

Correct Answer:- Option-C

Question75:-Which one of the following is correctly matched ?

A:- β_1 -Receptor agonist : Increased rate and force of contraction of heart

B:- M_1 -Receptor agonist : Decreased rate and force of contraction of heart

C:-Parasympathomimetic drugs : Flight and Fright response

D:-Sympathomimetic drugs : Rest and digestion response

Correct Answer:- Option-A

Question76:-Local anaesthetics work by

A:-Blocking the GABA gated chloride channel

B:-Activating the GABA gated chloride channel

C:-Blocking the voltage gated sodium channel

D:-Activating the voltage gated sodium channel

Correct Answer:- Option-C

Question77:-Match the following :

- | | |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| a. Carbonic anhydrase inhibitors | 1. Inhibition of $Na^+ - Cl^-$ co-transporters and thus reabsorption of Na^+ at distal tubule |
| b. Osmotic diuretics | 2. Blocks the function of $Na^+ - K^+ - 2Cl^-$ symporter |
| c. Thiazide diuretics available | 3. Reduces the number of hydrogen ions for $Na^+ - H^+$ exchange by inhibiting Carbonic anhydrase enzyme |
| d. Loop diuretics and | 4. Limiting the tubular reabsorption of water electrolyte |

A:-a - 3 b - 1 c - 2 d - 4

B:-a - 3 b - 4 c - 2 d - 1

C:-a - 3 b - 2 c - 1 d - 4

D:-a - 3 b - 4 c -1 d - 2

Correct Answer:- Option-D

Question78:-One of the following drugs is not used as specific respiratory stimulant

A:-Amiphenazole

B:-Bemigrade

C:-Yohimbine

D:-Etamivan

Correct Answer:- Option-C

Question79:-Match the following :

- | | |
|--------------------------|--------------------------------------------------------------------------------------|
| a. Carbapenem subunit | 1. Inhibition of protein synthesis by binding to 30s ribosomal subunit |
| b. Tetracycline subunit | 2. Inhibition of protein synthesis by binding to 50s ribosomal subunit |
| c. Azithromycin action | 3. Inhibit the replication of bacterial DNA by interfering with action of DNA gyrase |
| d. Enrofloxacin proteins | 4. Disrupt the cell wall by binding to penicillin binding proteins |

A:-a - 4 b - 2 c - 1 d - 3

B:-a - 4 b - 1 c - 2 d - 3

C:-a - 3 b - 1 c - 2 d - 4

D:-a - 3 b - 2 c - 1 d - 4

Correct Answer:- Option-B

Question80:-Assertion reason type :

Assertion (A) : Viral DNA polymerase is inhibited 10-30 times more than the host DNA polymerase by Aciclovir.

Reason (R) : Herpes thymidine kinase is more selective for conversion of acyclovir to the active metabolite acyclovir-monophosphate.

Select your answer.

A:-(A) is true but (R) is false

B:-(A) and (R) are false

C:-(A) and (R) are true and (R) is the correct reason for (A)

D:-(A) and (R) are true and (R) is not the correct reason for (A)

Correct Answer:- Option-C

Question81:-The basic concept of extension education is to bring behavioural change in the people on desirable lines

- i. Only knowledge
- ii. Skill and attitude
- iii. Knowledge, attitude, skill and action

A:-Only (i and ii)

B:-Only (ii)

C:-Only (i)

D:-Only (iii)

Correct Answer:- Option-D

Question82:-Which of the statement is/are correct about Vandenberg test ?

- i. Test estimates the concentration of serum bilirubin.
- ii. Conjugated bilirubin reacts directly with test reagents to produce color change.
- iii. Color development is observed at 550nm optical density.

A:-All of the above (i, ii and iii)

B:-Only (i and ii)

C:-Only (iii)

D:-Only (ii)

Correct Answer:- Option-A

Question83:-Select the choice of order of steps in Extension Teaching Process.

- i. Attention – Desire – Interest – Conviction – Action – Satisfaction
- ii. Interest – Desire – Attention – Conviction – Satisfaction – Action
- iii. Attention – Interest – Desire – Conviction – Action – Satisfaction

A:-Only (i)

B:-Only (iii)

C:-Both (i and ii)

D:-None of the above (i, ii and iii)

Correct Answer:- Option-B

Question84:-Which of the statement is/are correct about Blood Neutrophils ?

- i. Neutrophils constitutes 40% and 60% of total leukocyte population in ruminants and monogastric species.
- ii. Neutrophils remain in circulation for only 8 hours and are phagocytic and microbicidal in activity.
- iii. Viral infections increases blood neutrophils count.

A:-Only (i)

B:-Only (ii)

C:-Only (i and ii)

D:-All of the above (i, ii and iii)

Correct Answer:- Option-C

Question85:-Suresh is the owner of the enterprise and this type is called as

- i. Sole proprietor
- ii. Joint company
- iii. Public-sector company
- iv. Combined company

A:-Only (i)

B:-Only (ii)

C:-Only (i and iii)

D:-All of the above (i, ii, iii and iv)

Correct Answer:- Option-A

Question86:-Surgical treatment options for the management of cranial cruciate ligament rupture in dog is

- i. Paatsama technique
- ii. Trochlear Wedge resection sulcoplasty
- iii. Tibial Plateau Levelling Osteotomy

A:-Only (i and ii)

B:-Only (ii and iii)

C:-Only (i and iii)

D:-All of the above (i, ii and iii)

Correct Answer:- Option-C

Question87:-Which among the following is/are true about Hip Dysplasia in dogs ?

- i. Juvenile Pubic Symphysiodesis is a surgery done as a prophylactic treatment in hip dysplasia.
- ii. Coxa valga is one in which the normal angulation of neck of femur with the shaft is increased.
- iii. When the femur head is unusually broad, it is called Legg-Perthes' disease.

A:-Only (i and ii)

B:-Only (ii and iii)

C:-Only (i and iii)

D:-All of the above (i, ii and iii)

Correct Answer:- Option-A

Question88:-First intention wound healing takes place when

A:-Gap between the wound edges are minimum

B:-Wound is clean and fresh

C:-Good vascularity to the wound edges

D:-All the above

Correct Answer:- Option-D

Question89:-Which among the following is/are true regarding type of fracture ?

- i. Depression fracture normally occurs in the vertebral column.
- ii. Greenstick fracture is an incomplete fracture .
- iii. Colle's fracture occur in the distal radius.

A:-Only (i and ii)

B:-Only (i and iii)

C:-Only (ii and iii)

D:-All of the above (i, ii and iii)

Correct Answer:- Option-C

Question90:-Telazol is a combination of

- A:-Opioid analgesic and a tranquilizer
- B:-Dissociative anaesthetic and a tranquilizer
- C:-Short acting barbiturate and a tranquilizer
- D:-Muscle relaxant and barbiturate

Correct Answer:- Option-B

Question91:-Which among the following is/are true in veterinary radiology ?

- i. The part-film distance is zero.
- ii. The minimum KVP required to produce x rays is 40.
- iii. The counteract heel effect, thinner part of the body of the patient should be positioned towards the cathode.

- A:-Only (i and iii)
- B:-Only (i and ii)
- C:-Only (ii and iii)
- D:-All of the above (i, ii and iii)

Correct Answer:- Option-A

Question92:-Which among the following is/are true regarding suturing techniques ?

- i. Double breasting suture pattern is followed for uniting the cut ends of nerves.
- ii. Bunnell mayer suture is employed in tendon suturing.
- iii. Figure of eight suture can be used for closing laparotomy incision.

- A:-Only (i and ii)
- B:-Only (i and iii)
- C:-Only (ii and iii)
- D:-All of the above (i, ii and iii)

Correct Answer:- Option-C

Question93:-The condition in which the bulbar conjunctiva is adherent to the palpebral conjunctiva of the eye is called as

- A:-Pterygium
- B:-Symblepharon
- C:-Ankyloblepharon
- D:-Iridocyclitis

Correct Answer:- Option-B

Question94:-Billroth II technique in dogs involves

- A:-Gastroduodenostomy
- B:-Gastrojejunosotomy
- C:-Gastroileostomy
- D:-Gastrocolostomy

Correct Answer:- Option-B

Question95:-Which among the following is/are true about epidural anaesthesia ?

- i. Medicine used for giving epidural anaesthesia is lignocaine 2%.
- ii. When sacrococcygeal site is selected for epidural anaesthesia in cattle, it is called high epidural.
- iii. The epidural anaesthesia site in goat is lumbosacral.

A:-Only (i and ii)

B:-Only (ii and iii)

C:-Only (i and iii)

D:-All of the above (i, ii and iii)

Correct Answer:- Option-C

Question96:-Correlate the type of adulteration of milk with its corresponding qualitative tests.

Sl. No.	Type of Adulterant	Sl. No.	Qualitative test
i.	Urea	a.	Nessler's test
ii.	Glucose	b.	Iodine test
iii.	Maltodextrin	c.	Phenol test
iv.	Ammonium compound	d.	Barfoed's test

A:-d, b, a, c

B:-c, a, b, d

C:-c, d, a, b

D:-c, d, b, a

Correct Answer:- Option-D

Question97:-Find out the right combination of the species of milk from its nutritive composition.

Species of Milk		Protein %		Fat %	
I.	Human Milk	i.	4.3	a.	4.0
II.	Cow's Milk	ii.	1.1	b.	4.5
III.	Buffalo's Milk	iii.	3.6	c.	9.0
IV.	Goat's Milk	iv.	3.2	d.	3.0

I.	(ii), (d)	II.	(iv), (a)
III.	(i), (c)	IV.	(iii), (b)

A:-

I.	(iii), (a)	II.	(iv), (d)
III.	(ii), (c)	IV.	(i), (b)

B:-

I.	(i), (b)	II.	(iii), (d)
III.	(iv), (a)	IV.	(ii), (c)

C:-

I.	(iv), (c)	II.	(iii), (b)
III.	(i), (d)	IV.	(ii), (a)

D:-

Correct Answer:- Option-A

Question98:-Identify the right match of the relevant dairy products based on method of processing.

Type of processing		Value added dairy products	
a.	Heat desiccated	i.	Rasamalai
b.	Acid coagulated	ii.	Kefir
c.	Fermented	iii.	Whey protein supplement
d.	Dried	iv.	Gulab jamun

A:-ii, iv, iii, i

B:-iv, i, ii, iii

C:-iii, i, iv, ii

D:-iv, iii, ii, i

Correct Answer:- Option-B

Question99:-Gelatin is produced from

- a. Calcined bones
- b. Inedible bones
- c. Edible bones
- d. Inedible cartilage

A:-d

B:-a

C:-b

D:-c

Correct Answer:- Option-D

Question100:-The major phosphoglycoprotein of egg white is

- a. Ovalbumin
- b. Ovamucin
- c. Ovoglobulin
- d. Conalbumin

A:-d

B:-b

C:-a

D:-c

Correct Answer:- Option-C