FINAL ANSWER KEY

Question Paper Code: 52/2016/OL Category Code: 363/2014 Exam: Vocational Teacher - Livestock Management NCA-SC Medium of Ouestion: English Date of Test 27-05-2016 Alphacode А Question1:-The freedom fighter A. G. Velayudhan met with tragic death during A:-Kuttamkulam Satyagraha **B:**-Paliyam Satyagraha C:-Vaikom Satyagraha D:-Guruvayur Satyagraha Correct Answer:- Option-B Question2:-Ezhava Memorial was in the year A:-1894 B:-1895 C:-1896 D:-1897 Correct Answer:- Option-C Question3:-Which among the following Missionaries took initiative for the spread of English education in Malabar Region ? A:-London Missionary Society **B:-Church Mission Society C:-Basel Evangelical Mission D:-Salvation Army** Correct Answer:- Option-C Question4:-Atmavidya Sangham was founded by A:-Chattampi Swamikal **B:-Sahodaran Ayappan** C:-Mannathu Padmanabhan D:-Vagbhadanandha Correct Answer:- Option-D Question5:-The Kerala Sahitya Charitram was written by A:-Kerala Varma Valiyakoyi Thampuran B:-Ullur S. Parameswara Iyer C:-Kodungallur Kunghikuttan Thampuran D:-Vallathol Narayana Menon Correct Answer:- Option-B Question6:-Name the person who was awarded Pushkin Medal - The Russian National Decorations in 2015. A:-Dr. A.P.J. Abdul Kalam B:-Prof. O.N.V. Kurup C:-Dr. Amartva Sen D:-Ms. Arundathi Rai Correct Answer:- Option-B Question7:-International Yoga Day was celebrated on A:-June 21 B:-July 21 C:-June 11 D:-July 11 Correct Answer:- Option-A Question8:-Name the Malayalee who was nominated to Lok Sabha as Anglo Indian Representative A:-Charles Koraya B:-George Yo C:-George Baker **D:-Richard Hey** Correct Answer:- Option-D Question9:-Which place is proposed for setting up the First National Defence Industrial Park ?

A:-Goa **B:-Gulburga** C:-Ottapalam D:-Thane Correct Answer:- Option-C Question10:-The Chief Information Commissioner of India is A:-Vijay Sharma B:-K. V. Choudary C:-Nazim Zaidi D:-Deepak Gupta Correct Answer:- Option-A is an important element in the diet of young chicks, a deficiency leading to perosis or 'slipped tendon', Question11:a malformation of the leg bones. A:-Magnesium **B:-Manganese** C:-Thiamine deficiency **D:-Phosphorous** Correct Answer:- Option-B Question12:- deficiency in pigs causes parakeratosis, a skin disorder. A:-Zinc **B:-Copper** C:-Iron D:-Calcium Correct Answer:- Option-A Question13:-The most frequent and the most important manifestation of ______ deficiency in farm animals is muscle degeneration (nutritional myopathy), also known as muscular dystrophy. A:-Cobalt **B:-Molybdenum** C:-Manganese D:-Selenium Correct Answer:- Option-D Question14:-Name a chronic disease affecting animals grazing certain seleniferous areas contain very high levels of selenium A:-Liver Cirrhosis B:-Osteodystrophia fibrosa C:-Alkali disease D:-Osteoperosis Correct Answer:- Option-C Question15:-In poultry, bones and beak become soft and rubbery; legs become weak and egg production is reduced and eggshell quality deteriorates A:-Calcium deficiency **B:-Vitamin D deficiency** C:-Selenium deficiency D:-Manganese deficiency Correct Answer:- Option-B Question16:-The act of giving birth to a young one in rabbit is known as A:-Calving **B:-Kittening** C:-Kidding D:-Kindling Correct Answer:- Option-D is the second major immunoglobulin of the serum and it is typically the first immunoglobulin Question17:increase in concentration in serum during primary immune response. A:-IgG B:-IgM C:-IgA D:-IgE Correct Answer:- Option-B Question18:-In most of the domestic animals functions as a chief site of destruction of erythrocytes, whereas in man it is the spleen.

A:-Liver B:-Lymphoid tissues of lymph glands C:-Payer's patches of intestine D:-Bone marrow Correct Answer:- Option-D is due to deficiency of iron results in small sized, decreased number of RBCs and low Hb content. Question19:-A:-Microcytic and hypochromic anemia B:-Macrocytic and hyperchromic anemia C:-Megaloblastic anemia D:-Aplastic anemia Correct Answer:- Option-A Question20:-Average clotting time, or coagulation time in cow A:-11.5 minutes B:-2.5 minutes C:-6.5 minutes D:-3.5 minutes Correct Answer:- Option-C Question21:-Which among the following is not a cause for excessive bleeding ? A:-Vitamin K deficiency B:-Hepatitis or cirrhosis of liver C:-Thrombocytosis D:-Von Willebrand's disease Correct Answer:- Option-C Question22:-In mammals is the specialized structure of the cardiac muscle located at the junction of the right atrium and cranial vena cava which controls the rate of the heart. A:-Bundle of His B:-AV node C:-SA node D:-Purkinje fibres Correct Answer:- Option-C Question23:-Diploid chromosome number in cattle (Bos indicus) A:-60 B:-62 C:-64 D:-50 Correct Answer:- Option-A Question24:-The karyotype of a species can be represented diagrammatically showing all the morphological features of chromosomes. Such a diagram is known as A:-Karyogram **B:-Ideogram** C:-Chromocente D:-Holokinetic Correct Answer:- Option-B Question25:-Hematuria at the end of urination may be due to A:-Cystic calculi **B:-Kidney damage** C:-Vesicle damage D:-Urethral damage Correct Answer:- Option-C Ouestion26:-Indicanuria indicates A:-Rabies in cattle B:-Urolithiasis in dogs C:-Azoturia in horses D:-Constipation and obstruction of the intestine Correct Answer:- Option-D Question27:-Renal function tests conducted on blood A:-Creatinine and BUN B:-Creatinine, BUN and Urine specific gravity C:-Proteinuria and BUN

D:-Creatinine Correct Answer:- Option-A Question28:-In lead II canine electrocardiogram T wave represents A:-Atrial depolarization **B:-Ventricular depolarization** C:-Atrial repolarization D:-Ventricular repolarization Correct Answer:- Option-D is used as an indicator of infection. The model is able to detect mastitis in dairy Ouestion29:-The milk content of cows about 3 days before it would otherwise be detected by the farmer. A:-Lactate dehydrogenase B:-Beta hydroxy butyrate C:-Creatinine phosphokinase D:-Aldolase Correct Answer:- Option-A Question30:-The index used to determine the transmitting ability of individual bulls with regard to milk production based on progeny selection A:-Tomar index B:-Heizer's index C:-Rice index D:-Yapp's index Correct Answer:- Option-B Question31:-Which among the following statement is correct regarding DACB (Dietary Anion Cation Balance) concept ? A:-Diets high in anions (Sulphate and Chloride) - Prevent milk fever B:-Diets high in cations $(Na^+, K^{(+)})$ - Prevent milk fever C:-Diets high in anions (Sulphate and Chloride) - Induce milk fever D:-Provide excess cations over anions in the diet to prevent milk fever Correct Answer:- Option-A Question32:-Which among the following is not a measure to prevent Low Milk Fat Syndrome (LMFS) in dairy cows ? A:-Incorporate high fiber diet **B:-Biological feeding** C:-Forages should be chopped too fine D:-Increase the frequency of feeding roughages Correct Answer:- Option-C Question33:-Which type of fluid is to be administered to a canine patient to increase plasma oncotic pressure and to expand plasma volume ? A:-Crvstalloid solutions **B:-Colloid solutions** C:-Solutions those deliver water **D:-Maintenance solutions** Correct Answer:- Option-B Question34:-Based on the clinical approach what may be the percentage of dehydration in a dog showing clinical signs of loss of skin elasticity, sunken eye balls and slow capillary refill time ? A:-5% B:-5-7% C:-7-10% D:-Hypovolemia and shock Correct Answer:- Option-C Question35:-Floor space requirement for an adult layer chicken under deep litter system A:-950 `cm^(2)` B:-1120 `cm^(2)` C:-2600 `cm^(2)` D:-1950 `cm^(2)` Correct Answer:- Option-D Question36:-Minimum Crude protein (N × 6.32)% by mass, required for layer poultry feed A:-16% B:-18% C:-20% D:-23% Correct Answer:- Option-B

Question37:-Predominant serum immunoglobulin in birds is similar to mammalian IgG. A:-IgY B:-IgA C:-IgD D:-IgM Correct Answer:- Option-A Question38:-In cow's milk, approximately of milk protein is casein and the remaining is serum, or whey protein. A:-18% B:-36% C:-60% D:-82% Correct Answer:- Option-D Question39:-Freezing point of cow's milk A:-- 0.56°C B:-- 0.58°C C:-- 0.55°C D:-- 0.50°C Correct Answer:- Option-C Question40:-Temperature and time required for Holding method of pasteurization A:-145° F (62.8°C) for 30 minutes B:-161° F (71.7°C) for 15 seconds C:-275-284° F (135 to 140°C) for a few seconds D:-112.8 to 118.17°C for 15 to 30 minutes Correct Answer:- Option-A Question41:-It is a process by which the milk is forced through minute opening under high pressure so that the fat globules are subdivided and reduced in size. A:-Uperization **B:-Homogenization** C:-Clarification D:-Hydroxylation Correct Answer:- Option-B Question42:-A test used for evaluating the effectiveness of pasteurization A:-Lipase Test **B:-Galactase Test** C:-Lactase Test D:-Phosphatase Test Correct Answer:- Option-D Question43:-Weight of 1 ml of milk A:-1.032 g B:-1.026 g C:-1.036 g D:-0.973 g Correct Answer:- Option-A Question44:-It is a non-inflammatory, degenerative disease of CNS in cattle, which is invariably fatal caused by prion protein (PrP) ? A:-Scrapie B:-Bovine spongiform encephalopathy C:-Jaagsiekte D:-Visna-maedi Correct Answer:- Option-B Question45:-Application of biotechnology in animal, marine and aquatic improvements is referred as A:-White biotechnology B:-Green biotechnology C:-Red biotechnology D:-Blue biotechnology Correct Answer:- Option-D Question46:-Colostrum feeding to the new born calf should be within 3-4 hours after birth and is to be continued for 4 days at the rate of A:- $1^{1}/3^{(th)}$ of body weight B:-`1``/``10^(th)` of body weight

C:- 1^{-1}^{-6} (th) of body weight D:- $1^{1}/12^{(th)}$ of body weight Correct Answer:- Option-B Question47:-Compounded cattle feed for adult dairy cows shall have A:-DCP-19 to 20% and TDN-68% B:-DCP-20 to 22% and TDN-70% C:-DCP-18 to 20% and TDN-65% D:-DCP-14 to 16% and TDN-70% Correct Answer:- Option-D Question48:-Diseases that having reservoirs among the wild or feral animals, free living and captive animals and transmission of those diseases to the human population are referred to as A:-Zooanthroponotic diseases **B:-Amphixenoses** C:-Sylvatic zoonoses D:-Xenozoonoses Correct Answer:- Option-C Question49:-Zoonotic diseases caused either by apparently new etiological agents or by previously known agents appearing in places or in species in which the disease was previously unknown A:-Cyclozoonoses **B:-Emerging zoonoses** C:-Metazoonoses D:-Saprozoonoses Correct Answer:- Option-B Question50:-World Rabies Day A:-Every year July `6^(th)` B:-Every year August `29^(th)` C:-Every year September `28^(th)` D:-Every year March `24^(th)` Correct Answer:- Option-C Question51:-The causative agent of has capsular polypeptide, poly-D-glutamic acid, which is antiphagocytic in nature. A:-Brucellosis **B:-Rabies** C:-Foot and Mouth disease D:-Anthrax Correct Answer:- Option-D Ouestion52:-Adrenalin will be added with local anesthetics (1: 100.000). A:-To decrease their absorption from the injection site B:-To avoid the chance of anaphylaxis C:-To restores cardiac rhythm D:-To increase their absorption from the injection site Correct Answer:- Option-A Question53:-Normal body temperature of goat and its critical temperature A:-39.00°C (102.0°F) and 40.00°C (104.0°F) B:-38.50°C (101.5°F) and 39.5°C (103.0°F) C:-40.00°C (104.0°F) and 41.0°C (106.0°F) D:-39.50°C (103.0°F) and 40.5°C (105.0°F) Correct Answer:- Option-D Question54:-Bilateral engorgement of the jugular veins in dairy cattle may be due to A:-Left side congestive heart failure **B:-Ventricular fibrillation** C:-Right side congestive heart failure **D:-Atrial fibrillation** Correct Answer:- Option-C Question55:-Prostaglandin treatment of cows with functional corpora lutea will induce a fertile estrus within A:-2 to 7 days B:-11 days C:-8 to 9 days D:-12 to 14 days Correct Answer:- Option-A

Question56:-In rabbit, ovulation and corpus luteum formation depends on whether mating has occurred or not and is called

A:-Spontaneous ovulation

B:-Induced ovulation

C:-Seasonally polyestrus

D:-Regular estrous cycle

Correct Answer:- Option-B

Question57:-Accumulation of edematous transudate in subcutaneous tissues is referred to as

A:-Ascites

B:-Hydrothorax

C:-Anasarca

D:-Hydrothorax

Correct Answer:- Option-C

Question58:-Changes were initiated in muscle at the death of the animal in the process of conversion of 'Muscle' to 'Meat' - in this respect which among the following statement is correct ?

A:-In the absence of oxygen, anaerobic glycolysis hinders the formation of lactic acid

B:-Before the dissipation of body heat, carcass chilling may yield good meat

C:-The accumulation of lactic acid is not a good change during this process

D:-Muscle, post the resolution of rigor is referred to as meat

Correct Answer:- Option-D

Question59:-In bovines, radioimmunoassay measurement of ______ concentrations are detectable in a few cases as early as 15 days after insemination and in nearly all pregnant cows by 24 days after insemination.

A:-Estrone sulfate

B:-Alpha-Fetoprotein (AFP)

C:-Bovine Placental Lactogen (bPL)

D:-Bovine Pregnancy-Specific Protein (bPSPB)

Correct Answer:- Option-D

Question60:-Observing the animal from a distance, simple and widely used in veterinary medicine to obtain an idea about the general characters of diseased animal.

A:-Inspection

B:-Palpation

C:-Percussion

D:-Succession

Correct Answer:- Option-A

Question61:-High concentration of $K^{(+)}$ in the extra cellular fluid (10-12 mEq/L) result in severe myocardial disturbances and death due to

A:-Renal failure

B:-Cardiac arrest

C:-Respiratory failure

D:-Cardio-pulmonary arrest

Correct Answer:- Option-B

Question62:-What is allotriophagia ?

A:-Eating the feces

B:-Chewing bones

C:-Eating earth

D:-Eating young one

Correct Answer:- Option-C

Question63:-Complete loss of appetite is called _____

A:-Inappetence

B:-Hyperorexia

C:-Anophagia

D:-Anorexia

Correct Answer:- Option-D

Question64:-Periodic, involuntary movement of the eyeball is called

A:-Nystagmus

B:-Keratitis

C:-Pannus

D:-Proptosis

Correct Answer:- Option-A

Question65:-In goat, elevation and rigidity of tail, rigidity of the ears and limbs are indications of

A:-Parturient paresis

B:-Abdominal pain C:-Pregnancy toxemia D:-Tetanus Correct Answer:- Option-D Question66:-In cattle, unusual behaviour arises from ______ is indicated by grunting, groaning, grinding the teeth, looking at the flank etc. A:-Tetany **B:-Fever** C:-Pain D:-Dulness or apathy Correct Answer:- Option-C Question67:-A horse with signs of colic adopted a saw-horse posture with legs stretched out behind - which may be the sight of obstruction or impaction ? A:-Usually accompanies impaction of colon B:-Infarction of the gut wall C:-Severe gastric distension D:-Impending rupture of stomach Correct Answer:- Option-A Question68:-Black or very dark brown or tarry appearance in feces (Melena) is due to A:-Hemorrhage originating in cecum B:-Hemorrhage in the rectum C:-hemorrhage originating in stomach D:-Hemorrhage originating in lower colon Correct Answer:- Option-C Question69:-Type of vomiting based almost on reverse peristalsis and not accompanied by retching movement is called A:-True vomiting **B:-Projectile vomiting** C:-Regurgitation D:-Reflux Correct Answer:- Option-B Question70:-Name a disease in which lesions occur in the muzzle of cattle A:-Actinobacillosis **B:-Anthrax** C:-Rinderpest D:-Strangles Correct Answer:- Option-C Question71:-When animal eat and attempt to swallow the food is coughed up through the mouth but drinking is usually successful ? Give the diagnosis. A:-Pharyngeal obstruction **B:-Stomatitis** C:-Laryngeal stenosis D:-Gastritis Correct Answer:- Option-A Question72:-In farm animals the interstitial type of reaction is characteristic of pneumonia A:-Parasitic **B:-Bacterial** C:-Viral D:-Allergic Correct Answer:- Option-C Ouestion73:-, which occurs commonly in dairy cows at the time of parturition, has been suggested as an important contributing factor in left displacement of abomasum. A:-Ketosis B:-Abomasal ulcer C:-Hypocalcemia D:-Acute impaction Correct Answer:- Option-C Question74:-Injury of the pyloric branch of the ventral vagus nerve resulted in inhibited flow of ingesta from the abomasum and the condition is known as A:-Anterior functional stenosis **B:**-Posterior functional stenosis

C:-Omasal transport failure D:-Vagal dysfunction Correct Answer:- Option-B Question75:-In the rumen assumes an "L Shape" as the ventral sac occupies both left and right ventral quadrants of the abdomen and can be detected through rectal palpation. A:-Left displacement of abomasums B:-TRP C:-Vagus indigestion D:-Acute impaction of the rumen Correct Answer:- Option-C Question76:enzyme is more specific for detecting liver disorders. A:-Alanine Transaminase (ALT) B:-Aspartate Transaminase (AST) C:-Alkaline Phosphatase (ALP) D:-Gamma Glutamyl Transferase (GGT) Correct Answer:- Option-A Question77:-In the dietary management of liver disorders it is important to provide a diet A:-Low in carbohydrate and high in protein and fat B:-High in carbohydrate and high in protein and fat C:-High in carbohydrate and low in protein and fat D:-Low in carbohydrate and low in protein and fat Correct Answer:- Option-C Question78:-An adult cow was presented with the history of gradually progressing inappetence, accompanied by increasing abdominal distension. The abdominal distension had typical 'papple' - shape. What is your tentative diagnosis ? A:-Vagus indigestion B:-Left displacement of abomasums C:-TRP D:-Free gas bloat Correct Answer:- Option-A Question79:-A prediction of the probable course of a disease in an individual animal and the chances of recovery is known as A:-Diagnosis B:-Therapeutic decision making C:-Prognosis D:-Guarded Correct Answer:- Option-C Question80:-The important clinical signs in a dog consist of persistent vomiting, which usually commences after food intake. Nausea and retching do not occur. What is your diagnosis ? A:-Oesophageal obstruction **B:-Oesophageal dilatation** C:-Pharyngitis D:-Pharyngeal paralysis Correct Answer:- Option-B Question81:-Wither pinch test is done in the clinical diagnosis of A:-Hardware disease **B:-Abomasal impaction** C:-Hoflound syndrome D:-Founder Correct Answer:- Option-A Question82:-The most common serum biochemical abnormality associated with TRP A:-Hypoproteinemia **B:-Hyperkalemia** C:-Hyperproteinemia D:-Hyperchloremia Correct Answer:- Option-C Question83:-Which among the following is antagonistic with fluoroquinolones ? A:-Cimetidine **B:-Aminoglycosides** C:-Metronidazole D:-Chloramphenicol

Correct Answer:- Option-D Question84:-An example for Penicillinase-resistant penicillin. A:-Amoxicillin **B:-Ampicillin** C:-Penicillin G D:-Cloxacillin Correct Answer:- Option-D Question85:-An anticholinergics premedicants used in veterinary anesthesia A:-Diazepam **B:-Chlorpromazine** C:-Atropine sulphate D:-Xylazine Correct Answer:- Option-C Question86:- is a specific reversal agent for xylazine. A:-Yohimbine hydrochloride B:-Romifidine C:-Midazolam D:-Climazolam Correct Answer:- Option-A Question87:-Site of injection for epidural analgesia in dog A:-Sacrococcygeal junction B:-Between II and III coccygeal vertebrae C:-Lumbosacral space D:-Between I and II coccygeal vertebrae Correct Answer:- Option-C Question88:-In dogs the dose of ketamine when combined with xylazine A:-Xylazine 1.0 mg/kg I.M. and Ketamine 20-25 mg/kg I. M. B:-Xylazine 1-2 mg/kg I.M. and ketamine 10 mg/kg IM/IV C:-Xylazine 0.1 mg/kg and Ketamine 2-5 mg/kg I.V. D:-Xylazine 0.04-0.06 mg/kg and Ketamine 2.2-4.4 mg/hg I.V. Correct Answer:- Option-B Question89:-In cows, Maternal Recognition of Pregnancy (MRP) occurs during A:-16 to 17 days B:-12-13 days C:-14 days D:-10 days Correct Answer:- Option-A Question90:-In cattle, hematic mummification occurs most common during A:-2 to 3 months of gestation B:-Before 2 months of gestation C:-7 to 9 months of gestation D:-4 to 6 months of gestation Correct Answer:- Option-D Question91:-In bitches, perform before manually reducing the large, protruding vaginal mass. A:-Resection **B:-Episiotomy** C:-Hysteropexy D:-Ovariohysterectomy Correct Answer:- Option-D _____ degree counter clockwise post cervical uterine torsion one or two fingers can be passed on Question92:-In vaginal examination. A:-More than `360^(@)` B:-90 to `180^(@)` C:-`180-360^(@)` D:-Less than `90^(@)` Correct Answer:- Option-B Question93:-During second stage of labour in cow, uterine contractions occur about 4 to 8 times in every. A:-1 minute B:-5 minutes

C:-10 minutes D:-15 minutes Correct Answer:- Option-C Question94:-Turkey egg appearance of kidney is the pathognomonic lesion of the disease A:-Hog cholera B:-Peste des petits ruminants (PPR) C:-Blue Tongue (BT) D:-Bovine viral diarrhea Correct Answer:- Option-A Question95:-The country which is number one in world milk production A:-USA **B:-Denmark** C:-Switzerland D:-India Correct Answer:- Option-D Question96:-Which one among is a leguminous fodder grass ? A:-Guinea grass **B:-Gamba grass** C:-Stylosanthes **D:-Hybrid Napier** Correct Answer:- Option-C Question97:-Young female pig kept for breeding purpose A:-Sow B:-Hog C:-Boar D:-Gilt Correct Answer:- Option-D Question98:-In bitch, the most common reason to perform ovariohysterectomy is A:-To prevent oestrus **B:-Tumor** C:-Pyometra D:-Uterine prolapse Correct Answer:- Option-A Question99:-Primary cause of baby pig disease A:-Iron deficiency **B:-Hypoglycemia** C:-Hypoproteinemia D:-Hypomagnesemia Correct Answer:- Option-B Question100:-Level of Urine ketone bodies in clinical ketosis A:-10-30 mg/dl B:-20-40 mg/dl C:->84 mg/dl D:-<50 mg/dl Correct Answer:- Option-C