

**Animal Husbandry & Vet. Sc.**

**CODE :- 02**



Time Allowed: Two Hours

Marks: 100

Name: \_\_\_\_\_

Roll No. \_\_\_\_\_

*Read instructions given below before opening this booklet:*

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

1. Use only **BLUE Ball Point Pen**.
2. In case of any defect - Misprint, Missing Question/s Get the booklet changed. No complaint shall be entertained after the examination.
3. Before you mark the answer, read the instruction on the OMR Sheet (Answer Sheet) also before attempting the questions and fill the particulars in the ANSWER SHEET carefully and correctly.
4. There are FOUR options to each question. Darken only one to which you think is the right answer. There will be no Negative Marking.
5. Answer Sheets will be collected after the completion of examination and no candidate shall be allowed to leave the examination hall earlier.
6. The candidates are to ensure that the Answer Sheet is handed over to the room invigilator only.
7. Rough work, if any, can be done on space provided at the end of the Question Booklet itself. No extra sheet will be provided in any circumstances.
8. Write the BOOKLET SERIES in the space provided in the answer sheet, by darkening the corresponding circles.
9. Regarding incorrect questions or answers etc. Candidates kindly see NOTE at the last page of the Booklet.

- 1) "Zebu" is a term which refers to
 

(A) Indian cattle as known in Europe	(B) European cattle
(C) Breed of buffalo in China	(D) Flock of sheep
  
- 2) 12 – 14 month old sheep is known as
 

(A) Hogget	(B) Shaearer
(C) Gimmer	(D) Feeder
  
- 3) A cow must not be allowed to eat its placenta because it result in reduced milk production because
  - (A) It causes infection in the digestive tract
  - (B) It contains poisonous substances
  - (C) It is high in protein and appetite is lost
  - (D) It is high in fat and disturbs digestion
  
- 4) Which of the following is a polysaccharide
 

(A) Lactose	(B) Ribose
(C) Cellulose	(D) Glucose
  
- 5) Average gestation period of doe is
 

(A) 62 days	(B) 114 days
(C) 146 – 150 days	(D) 281 days
  
- 6) Blisters on tongue, lips and skin around clave of the feet; blisters may cause a heavy flow of saliva and affected animal shake legs frequently, are the symptoms of
 

(A) Foot and Mouth Disease	(B) Black Quarter
(C) Hemorrhagic Septicemia	(D) Anthrax
  
- 7) Casein is precipitated from milk at pH of
 

(A) 4.4	(B) 4.6	(C) 4.8	(D) 6.6
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- 8) Casting means
  - (A) Making an animal sterile
  - (B) Throwing the animal on ground
  - (C) Securing the animal in travis
  - (D) Restraining a bullock with rein ropes
  
- 9) Cockerels are caponized when they are usually
 

(A) 3 weeks old	(B) 5 weeks old
(C) 8 weeks old	(D) 10 weeks old
  
- 10) Cows come in heat regularly at the intervals of 16-24 days and heat lasts for
 

(A) 8 – 12 hrs	(B) 13 – 15 hrs
(C) 16 – 20 hrs	(D) 21 – 24 hrs
  
- 11) Durock is a breed of
 

(A) Swine	(B) Cattle
(C) Buffalo	(D) Goat

- 12) Freshly drawn cow milk has a pH value  
 (A) 6.0 – 6.3 (B) 6.5 – 6.7  
 (C) 7.0 – 7.2 (D) 7.2 – 7.5
- 13) Goat meat is called  
 (A) Pork (B) Beef (C) Veal (D) Chevon
- 14) Goat milk has 7 – 10 times as much minerals as in milk of  
 (A) Cow (B) Sheep (C) Buffalo (D) Pig
- 15) Grass tetany is caused due to the deficiency of  
 (A) Cu (B) Mg (C) Zn (D) P
- 16) High fever, ulcers on the mucus membrane of lips and tongue and foetid diarrhea with offensive odour are the symptoms of  
 (A) Rinderpest (B) Hemorrhagic septicemia  
 (C) Cowpox (D) Anthrax
- 17) In certain physiological conditions excess water is retained in the body tissues. The condition is known as  
 (A) Edema (B) Dehydration (C) Flue (D) Anemia
- 18) In poultry, the part of digestive tract which acts as a store to hold the moistened feed is known as  
 (A) Crop (B) Gizzard (C) Proventriculus (D) Caeca
- 19) In ram semen, sperm concentration per ml is about  
 (A) 0.5 billion (B) 1 billion  
 (C) 2 – 3 billion (D) 4 – 5 billion
- 20) Lecithin is a component of  
 (A) Milk proteins (B) Milk vitamins  
 (C) Milk lipids (D) Milk pigments
- 21) Normal bacterial population/ml of rumen contents  
 (A)  $10^2-10^3$  (B)  $10^3-10^4$   
 (C)  $10^5-10^6$  (D)  $10^8-10^9$
- 22) Karan Fries is cross between  
 (A) Brown Swiss x Red Sindhi (B) Friesian x Sahiwal  
 (C) Friesian x Tharparkar (D) Tharparkar x Brown Swiss
- 23) Mohair is produced from one of the following breeds of  
 (A) Sheep (B) Horse (C) Camel (D) Goat
- 24) Parturient paresis is also known as:  
 (A) Grass tetany (B) Cyanide poisoning  
 (C) Pica (D) Milk fever

- 25) Percentage of fat is highest in the milk of .  
 (A) Red Sindhi (B) Gir  
 (C) Jersey (D) Holstein
- 26) A normal cow ruminates for  
 (A) 6 hrs/day (B) 7 hrs/day  
 (C) 8 hrs/day (D) 9 hrs/day
- 27) Sharp teeth of piglet are known as  
 (A) Milk teeth (B) Wolf teeth  
 (C) Suckling teeth (D) Weaning teeth
- 28) High temperature, blood discharge from natural body openings and sudden death without apparent cause are the symptoms of  
 (A) Anthrax (B) Tuberculosis  
 (C) Hemorrhagic Septicemia (D) Tetanus
- 29) The animals suspected as carriers of any contagious disease must immediately be  
 (A) Quarantined (B) Segregated  
 (C) Vaccinated (D) Inoculated
- 30) The bacterial content in milk is maximum in  
 (A) Fore milk (B) Middle milk  
 (C) Stripping (D) Whole milk
- 31) The biological value of buffalo meat  
 (A) 82% (B) 79% (C) 72% (D) 65%
- 32) The body temperature of an adult chicken is  
 (A) 99 – 100°F (B) 100 – 102°F  
 (C) 103 – 104°F (D) 105 – 107°F
- 33) The castrated male lambs are called  
 (A) Wethers (B) Shaearer (C) Feeder (D) Hogget
- 34) The daily per capita availability of milk in India during 2011-12  
 (A) 100 g (B) 150 g (C) 200 g (D) 290 g
- 35) The dental formula of cattle and buffaloes at the age of 6 years  
 (A) 0033/4033 (B) 0033/3033  
 (C) 0033/3032 (D) 0033/3034
- 36) The diameter of wool fibre of Marino wool ranges in between  
 (A) 15 – 25 microns (B) 30 – 40 microns  
 (C) 40 – 50 microns (D) 50 – 60 microns
- 37) The disease which is not caused by bacteria  
 (A) Anthrax (B) Tuberculosis  
 (C) Hemorrhagic Septicemia (D) Rabies

- 52) Average semen volume/ejaculate in boar is about  
 (A) 0.6 ml (B) 100 ml (C) 1 ml (D) 5 ml
- 53) Which of the following has the highest biological value of protein  
 (A) Milk (B) Egg (C) Potato (D) Oats
- 54) Which of the following is the rich source of bypass protein  
 (A) Groundnut meal (B) Mustard cake  
 (C) Wheat (D) Corn gluten meal
- 55) Brittle bones are caused by  
 (A) Excess of iodine in water (B) Excess of chlorine in water  
 (C) Excess of fluorine in water (D) Excess of sodium in water
- 56) Which is the most widely used vaccine against Mareck's disease?  
 (A) Tissue culture vaccine (B) HVT ( Herpe's virus of Turkey)  
 (C) R<sub>2</sub>B strain vaccine (D) Freeze dried vaccine
- 57) What is the cause of Hemorrhagic septicemia in cattle  
 (A) Mycobacterium (B) *Bacillus anthracis*  
 (C) *Pasteurella multocida* (D) *Actinobacillus lignietresi*
- 58) Name the most common disease transmitted to human beings through cows  
 (A) Small pox (B) Tuberculosis  
 (C) Black quarter (D) Milk fever
- 59) Hog cholera is characterized by  
 (A) Shooting diarrhea (B) Pneumonia  
 (C) Muscle tremors (D) Blisters in buccal cavity
- 60) Which one of the following hormone is released from the Hypothalamus  
 (A) Follicle stimulating hormone (B) Leutinizing hormone  
 (C) G.H.R.H. (D) Adino cortico tropic hormone(ACTH)
- 61) Feed stuffs containing more than 18% crude fibre are called  
 (A) Concentrates (B) Feed supplements  
 (C) Roughages (D) Oil seed cakes
- 62) Which hormone causes milk ejection  
 (A) Estrogen (B) Oxytocin (C) Thyroxin (D) Parathormone
- 63) The optimum nitrogen to sulphur ratio in ruminant ration should be  
 (A) 10:1 (B) 1:20 (C) 1:10 (D) 20:1
- 64) Which of the following is not Zoonotic disease  
 (A) Brucellosis (B) Tuberculosis  
 (C) Anthrax (D) Black quarter

- 65) Fat is absorbed from intestinal lumen as  
 (A) Chylomicron  
 (B) Very low density lipoprotein (VLDL)  
 (C) Micelle  
 (D) Very high density lipoprotein (VHDL)
- 66) The species which cannot convert glucose to fat is  
 (A) Avian (B) Caprine (C) Bovine (D) Equine
- 67) Most limiting amino acid in soybean based poultry diet is  
 (A) Lysine (B) Methionine (C) Arginine (D) Tryptophan
- 68) Mule is an example of  
 (A) Close breeding (B) Line Breeding  
 (C) Hybridization (D) Out crossing
- 69) Respiratory quotient (RQ) of protein is  
 (A) 1.0 (B) 0.8 (C) 0.7 (D) 0.6
- 70) Parakeratosis in swine can be prevented by supplementing the diet with  
 (A) Calcium (B) Phosphorus  
 (C) Manganese (D) Zinc
- 71) Which one of the following is omega-3 fatty acid  
 (A) Lauric acid (B) Myristic acid  
 (C) Linolenic acid (D) Propionic acid
- 72) Which one of the following has the highest fat content  
 (A) Deoiled mustard cake (B) Soybean meal  
 (C) Cotton seed cake (D) Guar meal
- 73) Which one of the following should not be fed urea  
 (A) Bull (B) Suckling Calves (C) Heifer (D) Cow
- 74) Wheat bran is rich in  
 (A) Sulphur (B) Phosphorus (C) Silica (D) Fluorine
- 75) Avian leukosis in birds is caused by  
 (A) Single stranded RNA virus (B) Double stranded RNA virus  
 (C) Single stranded DNA virus (D) Double stranded DNA virus
- 76) How much milk should be fed to a calf/day during second week  
 (A) Half body weight (B) 1/4<sup>th</sup> of Body weight  
 (C) 1/8<sup>th</sup> of Body weight (D) 1/10<sup>th</sup> of body weight
- 77) Which of the following disease is caused by the protozoa  
 (A) Brucellosis (B) Trichomoniasis  
 (C) Vibriosis (D) Leptospirosis

- 78) Thick yellowish discharge from the vagina indicates  
 (A) Pyometra (B) Heat cycle  
 (C) Mastitis (D) Vaginitis
- 79) Which of the following has fractions of aflatoxin is most toxic in day old duckling  
 (A) B1 (B) B2 (C) G1 (D) G2
- 80) In domestic animals the fertilized eggs reaches the uterus  
 (A) Immediately after fertilization (B) 1-2 days after fertilization  
 (C) 3-5 days after fertilization (D) 6-8 days after fertilization
- 81) Digestibility of which one of the following is highest  
 (A) Green maize fodder (B) Wheat straw  
 (C) Rice straw (D) Sorghum straw
- 82) Which insemination will give best results  
 (A) At the beginning of oestrus (B) Six hrs after oestrus  
 (C) Twelve hrs after oestrus (D) At the end of oestrus
- 83) What should be the pH of semen extender?  
 (A) 6.7 – 6.9 (B) 8.0 – 9.0  
 (C) 7.0 – 7.6 (D) 5.5 – 6.0
- 84) Most of the glycogen in animal body is present in  
 (A) Lung (B) Liver (C) Spleen (D) Heart
- 85) Shell fish can transmit which infection?  
 (A) Salmonellosis (B) Mycobacterium  
 (C) Influenza (D) Pasteurellosis
- 86) What does vaccine contain  
 (A) Antigen (B) Antibody (C) Agglutinin (D) Johnin
- 87) The Causative agent of true Black leg in cattle is  
 (A) *Clostridium septicum* (B) *Clostridium chauvoei*  
 (C) *Clostridium novyi* (D) *Clostridium perfringenes*
- 88) Which of the following diseases is more fatal to animals  
 (A) Black quarter (B) Foot and Mouth disease  
 (C) Cow pox (D) Johne's disease
- 89) Ranikhet disease is caused by  
 (A) Fowl Herpes virus (B) Corona virus  
 (C) Entero virus (D) Paramyxo virus
- 90) Blue tongue vaccination is most essential for  
 (A) Sheep (B) Swine (C) Cattle (D) Goats
- 91) Name the drug used for captivity of wild animals  
 (A) Xylozan (B) Abrin (C) Xylocain (D) Nicotin

- 92) How many crossbred adult cows can be reared on one acre of land?  
 (A) 10 (B) 3 (C) 8 (D) 4
- 93) Urea can be classified as feeding stuffs as:  
 (A) High energy concentrate (B) Low energy roughage  
 (C) True protein source (D) Non protein nitrogen
- 94) Pure bred bulls should be used because  
 (A) They are easier to handle (B) They cost more than grades  
 (C) The sire is half the herd (D) They are prepotent
- 95) HCN in sorghum is found when the crop is  
 (A) 10-15 cms high (B) Knee high stage  
 (C) At heading (D) Grain filling in heads
- 96) Which crop is more suitable for silage making:  
 (A) Sorghum (B) Berseem (C) Lucerne (D) Cowpea
- 97) Age of male calves for castration is  
 (A) 6 months (B) 12 months (C) 15 months (D) 20 months
- 98) Which of the following is a internal parasite of cattle?  
 (A) Screw worm (B) Ticks  
 (C) Liver fluke (D) Ring worm
- 99) Hissardale is a cross of  
 (A) Bikaneri ewes X Merino rams  
 (B) Merino ewes X Bikaneri rams  
 (C) Rambouillet ewes X Merino rams  
 (D) Merino ewes X Rambonillet rams
- 100) A cow camel is sexually mature at the age of  
 (A) 2 years (B) 3 years (C) 4 years (D) 5 years