

139. In *peste des petits ruminants*,

- I. High fever, dullness, sweating and serous discharge from the eye and nostril on the first day
- II. Keratic lesions develop in the mouth on second day
- III. Diarrhoea develops on fourth day
- IV. Dyspnoea and coughing occur later

Of these

- A) I and II are correct
- B) I, II & III are correct
- C) II, III & IV are correct
- D) All are correct

140. Which type of Anthrax is common in human being?

- A) Cutaneous form
- B) Pulmonary form
- C) Intestinal form
- D) Reproductive form

141. World Zoonosis Day is

- A) 6th July
- B) 6th June
- C) 6th August
- D) 6th September

142. The main route of infection in Malta fever is

- A) vertical
- B) venereal
- C) iatrogenic
- D) ingested

143. The immunosuppressive disease of ruminants is

- A) Rabies
- B) Caprine pox
- C) Caprine distemper
- D) Brucellosis

144. Weil disease is

- A) Anthrax
- B) Leptospirosis
- C) Hooker's quartre
- D) Brucellosis



145. Which one of the following lesions is not related to ring cisterns ?

- A) Hutton's cisterns in liver tissue      B) Zebra markings in liver tissue  
C) Turkey egg appearance of kidney      D) Infarction in spleen.

146. Lipodectoma necrosis is most commonly seen in the

- A) Heart      B) Brain  
C) Kidney      D) Lung.

147. Consider the following statements:

Assertion (A) : Amyloid is a protein produced by Antigen-Antibody reaction.

Reason (R) : It is common among horses.

Now select your answer according to the coding scheme given below :

- 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, but (R) is the not correct reason for (A).

148. Epithelial cells arise from

- A) Lymphocytes      B) Macrophages  
C) Plasma cells      D) Neutrophils.

149. Which of the following is not the megakaryocytic population ?

- A) Anthracosis      B) Silicosis  
C) Siderosis      D) Hyalineosis.

150. Which one of the following is not the component of pus ?

- A) Neutrophils      B) Necrotic tissue  
C) Erythrocytes      D) RBCs.

151. Gradual cooling of the body after death is called

- A) algor mortis      B) Livor mortis  
C) Rigor mortis      D) None of these.



152. "Zebra striping" haemorrhage is large petechiae is characteristic of

- A) Rinder pest  
B) Brucellosis  
C) FSD  
D) Nose of bleed

153. Bursitis in animals leads to

- A) Gonitis  
B) Hygroma and capped elbow  
C) Arthritis  
D) Ovaritis

154. Match List I correctly with List II and select your answer using the codes given below.

## List I

- a) Osteosarcoma  
b) Haemangioendothelioma  
c) Actinoblastoma  
d) Hodkin's or Jacob's disease

## List II

1. Basal cell tumour  
2. Mastocytoma  
3. Egg shell cracking tumour  
4. Fibrosarcoma

Codes:

- a    b    c    d  
A) 3    4    2    1  
B) 3    4    1    2  
C) 2    1    4    3  
D) 4    4    3    3



155. Match List I correctly with List II and select your answer using the codes given below the lists :

## List I

- a) Sawdust Liver  
 b) Rachitis  
 c) Vegetative Endocarditis  
 d) Polypura

## List II

1. Erysipelas spouts  
 2. Diabetes mellitus  
 3. Focal necrosis  
 4. Hernia of spinal cord

Codes :

a      b      c      d

A) 1      4      3      2

B) 3      1      2      4

C) 2      4      3      1

D) 3      4      1      2

156. The materials to be collected from the suspected cases of sodium cyanide poisoning are

- I. Whole blood  
 II. Brain  
 III. Stomach contents  
 IV. Hair

Of these-

A) I & II are correct

H) II & III are correct

C) I, II & III are correct

D) All are correct

157. Medium which is suitable for the growth of a specific organism is termed as

A) Selective medium

B) Minimal medium

C) Complex medium

D) None of these









182. Urine of horse suffering from *Asotaria caninus*
- A) Haemoglobin B) Myoglobin  
C) Methaemoglobin D) Uric acid.
183. Furosis is characterised by
- A) Dental lesion in cattle B) Hury exudates on the leg  
C) Nostril of teeth D) Overgrowth of the body.
184. The common clinical feature in pigs suffering from hypoparathyroidism is
- A) Paley alopecia & dermatitis B) Diarrhoea  
C) Weight loss D) Goose stepping gait.
185. Dysentery coupled with stunting is the characteristic feature of
- A) Trichostrongylus B) Ascarid  
C) John's disease D) Coccidiosis.
186. In pregnancy toxemia condition of sheep, the suggestive treatment is
- A) Intravenous glucose injection.  
B) Oral propylene glycol supplementation  
C) Oral glycerol supplementation  
D) Any one of these.
187. Serum test is employed for diagnosis of
- A) John's disease B) Tuberculosis.  
C) Black quarter D) Haemorrhagic septicaemia.
188. Immunisation against black quarter is done
- A) during summer months B) before onset of rains  
C) during pregnancy D) at birth of the calf.





189. Traumatic pericarditis is associated with which of the following ?

- A) Pronounced leucocytes
- B) Pronounced leucocytes with neutrophilia
- C) Pronounced leucocytes with neutropenia
- D) None of these.

190. Enteric form and myocardial form occur in which disease ?

- A) Infectious mononucleosis
- B) Cytomegalovirus
- C) Parvovirus
- D) Rubella.

191. In which disease does Tracheal constriction occur ?

- A)strychnine poisoning
- B) Tetanus
- C) Epilepsy
- D) All of these.

192. Drug molecules move across biological membrane by

- i. Diffusion
- ii. Filtration
- iii. Carrier mediator transport

Of these

- A) i, ii and iii are correct.
- B) ii and iii are correct.
- C) i and iii are correct.
- D) i and ii are correct.

193. Which of following statements is not true ?

- A) Tolerance develops to all the actions of a drug
- B) Anis type of tolerance is known as tachyphylaxis
- C) Species variation may be responsible for tolerance
- D) Down regulation of receptors is an important mechanism for development of tolerance.



194. Local anesthetics
- prevent generation and propagation of impulses
  - affect only myelinated fibers
  - block calcium channels
  - have sympathomimetic actions
195. The common Antineoplastic compound used for the treatment of cancer of squamous tumour is
- Fluorouracil acetate
  - Taxanes
  - Demethane acetate
  - Equilin
196. The ratio of Trimethoprim : Sulfamethoxazole is
- 1 : 1
  - 1 : 2
  - 1 : 4
  - 1 : 5
197. Therapeutic index is calculated by using the formula
- LD 50/ED 50
  - ED 50/LD 50
  - LD 1/ED 50
  - ED 1/LD 99
198. Calcium disodium EDTA is the drug used in
- Copper poisoning
  - Molybdenum poisoning
  - Lead poisoning
  - Mercury poisoning
199. Blind staggers is the toxicity condition due to
- Selenium
  - Nitrates
  - Molybdenum
  - Chrysothum
200. Antifungal action is seen with
- Ginger
  - Turpentine oil
  - Centiain
  - Tannic acid



Veterinary Science 308250X

MAHI

Booklet Series

A

Register Number

[Empty box for Register Number]

Date of Exam 15-10-2010 2010

VETERINARY SCIENCE

Time Allowed : 3 Hours

(Maximum Marks : 300)

Read the following instructions carefully before you begin to answer the questions.

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1. This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to open it at the commencement of the examination. As soon as the signal is received you should tear the right side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
2. This Question Booklet contains 100 questions.
3. Answer all questions.
4. All questions carry equal marks.
5. The first Booklet is printed in Jawar letters e.g.  A  B  C or  D One Tick left out of this page. The candidate has to indicate in the space provided in the Answer Sheet the series of the booklet. For example, if the candidate gets  A series booklet, he/she has to tick/mark in the slot 2 of the Answer Sheet with Blue or Black Ink Ball point pen as follows:

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6. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
7. An Answer Sheet will be supplied to you separately by the invigilator to mark the answers. You must write your Name, Register No. and other particulars on side 1 of the Answer Sheet promptly, failing which your Answer Sheet will not be evaluated.
8. You will also write your Register Number, Subject Code etc., with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not comply properly or fail to enclose the above information, your Answer Sheet will not be evaluated.
9. Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct response and mark it on your Answer Sheet. In case you feel that there are more than one correct responses, mark the response which you consider the best, in any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
10. In the Answer Sheet there are four brackets (A), (B), (C) and (D) against each question. To answer the questions you are to make ticks that you are sure that there are ONLY brackets of your choice for each question. Never mark responses for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong, e.g. if by any slip, you do the correct answer, you have to mark as follows:

A  B  C  D

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P 401

3001

30000

17/10/2010



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14. Primary effect of selection in a population is to
- maintain constant level of population
  - increase the number of homozygote
  - increase the gene frequency of desirable genes
  - decrease heterozygosity.
15. Mutation in which one base replaced by another base is termed
- Addition
  - Deletion
  - Translocation
  - Substitution.
16. Progeny test is useful for selection of
- Sex limited trait
  - Sex influenced trait
  - Qualitative trait
  - Sex linked trait.
17. Mating of related animal is called
- Out-breeding
  - Inbreeding
  - Random breeding
  - Cross-breeding
18. Match List I with List II correctly and select your answer using the codes given below

## List I

- Selection response
- Selection differential
- Selection intensity
- Selection limit
- Truncation selection

## List II

- Selection plateau
- A point above which all the individuals are selected
- Genetic gain
- Standardized selection differential
- Superiority of selected parents

Codes:

- |    | a | b | c | d | e |
|----|---|---|---|---|---|
| A) | 3 | 5 | 4 | 2 | 1 |
| B) | 4 | 3 | 2 | 5 | 1 |
| C) | 3 | 5 | 4 | 1 | 2 |
| D) | 3 | 4 | 5 | 2 | 1 |



19. Traits of economic importance in livestock are:

- I. Quantitative traits
- II. Controlled by many genes
- III. Greatly influenced by environment
- IV. Mostly affected by additive and non-additive gene action.

Of these

- A) I, II & III are correct
  - B) II, III & IV are correct
  - C) I, II & IV are correct
  - D) All are correct.
20. Cross-breeding increases
- A) Heterozygosity
  - B) Homozygosity
  - C) Additive gene action
  - D) Relationship.
21. Meat type sheep are selected based on the body weight at
- A) Three months
  - B) Six months
  - C) Nine months
  - D) Twelve months.
22. Selection of individual on the basis of average performance of offspring is
- A) Pedigree selection
  - B) Individual selection
  - C) Progeny testing
  - D) Family selection.
23. The distinguishing feature between Shikwal and Red Sindhi is
- A) Loose skin
  - B) Lighter colour muscle
  - C) Reddish dun colour
  - D) Massive hump.
24. The limitation of feeding of paddy straw to ruminant is/are
- A) Zero digestible protein content
  - B) High lignin
  - C) High oxalate
  - D) All of these







28. Consider the following statements :

**Assertion (A) :** Feeding of high roughage diet increases milk fat content than feeding high concentrate diet.

**Reason (R) :** Propionic acid is the precursor for the milk fat synthesis.

Now select your answer according to the coding scheme given below :

- 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.

29. Match List I with List II correctly and select your answer using the codes given below :

List I		List II	
a) Wood		1) Lactin	
b) Allomatin		2) Globulin protein	
c) Xanthine oxidase		3) Keratin	
d) Phospholipid		4) Metalloenzyme	

Codes :

	a	b	c	d
A) 3 1 4 2				
B) 3 2 4 1				
C) 1 2 4 3				
D) 2 3 4 1				





38. Avian influenza is caused by
- |                   |                  |
|-------------------|------------------|
| A) Orthomyxovirus | B) Paramyxovirus |
| C) Betovirus      | D) Herpes virus. |
39. Brooder house temperature for first week is
- |           |           |
|-----------|-----------|
| A) 110° F | B) 90° F  |
| C) 85° C  | D) 110° C |
40. The best time for delivering a dairy calf is \_\_\_\_\_ of age
- |                 |                 |
|-----------------|-----------------|
| A) three months | B) day of birth |
| C) fourth week  | D) second week. |
41. Contraction of teething should be first usually at the age of
- |                 |                |
|-----------------|----------------|
| A) 1 - 2 weeks  | B) 2 - 4 weeks |
| C) 6 - 10 weeks | D) 6 months.   |
42. Vent method of sexing in chicks is done on the
- |            |            |
|------------|------------|
| A) 5th day | B) 6th day |
| C) 7th day | D) 8th day |
43. Permanent hardness of water is due to
- |                       |                        |
|-----------------------|------------------------|
| A) Magnesium sulphate | B) Magnesium carbonate |
| C) Calcium carbonate  | D) None of these       |
44. Which of the following animals has a gestation period of three months, three weeks and three days?
- |          |        |
|----------|--------|
| A) Cat   | B) Dog |
| C) Sheep | D) Pig |



45. Which of the following is correctly matched ?
- |                                     |   |          |
|-------------------------------------|---|----------|
| A) The act of parturition in cattle | → | Lambing  |
| B) The act of parturition in goat   | → | Kidding  |
| C) The act of parturition in cat    | → | Whelping |
| D) The act of parturition in dog    | → | Queening |
46. Which of the following is used for increase in milk production ?
- |                 |                     |
|-----------------|---------------------|
| A) Alpha casein | B) Delta casein     |
| C) Gamma casein | D) Iodinated casein |
47. Which of the following is correctly matched ?
- |                          |   |             |
|--------------------------|---|-------------|
| A) Pasteurisation        | → | Reductase   |
| B) Water addition        | → | Lactometer  |
| C) Sterilisation         | → | Phosphatase |
| D) Bacteriological count | → | Catalase    |
48. Synthetic milk is prepared with the addition of
- |                  |                  |
|------------------|------------------|
| A) Vegetable fat | B) Oxygen powder |
| C) Urea          | D) All of these  |
49. The anti-oxidant used to give to prevent the oxidation of fat is
- |                           |                              |
|---------------------------|------------------------------|
| A) Calcium chloride       | B) Sodium alginate           |
| C) Mono- and diglycerides | D) Butylated hydroxy anisole |
50. Ripening of cheese is done for 3 to 3 months at \_\_\_\_\_ °C.
- |              |             |
|--------------|-------------|
| A) 0 to 6    | D) 15 to 21 |
| C) -5 to -10 | D) 18 to 20 |
51. Which is the basic structural and functional unit of milk synthesis ?
- |                  |                        |
|------------------|------------------------|
| A) Alveoli       | B) Lactules            |
| C) Gland cistern | D) Myoepithelial cells |

52. The composition of single level milk is
- A) Minimum 2% fat and Minimum 8.5% SNF
  - B) Minimum 1.5% fat and Minimum 8.0% SNF
  - C) Minimum 4.5% fat and Minimum 8.5% SNF
  - D) Minimum 4% fat and Minimum 8.5% SNF
53. Ice-cream without hardening process is called
- A) Staff
  - B) Softy
  - C) Irish cream
  - D) None of them
54. The next section in pasteurization after holding is
- A) Cooling
  - B) Heating
  - C) Regeneration
  - D) None of these
55. Natural acidity of milk is due to
- A) Casein and phosphates
  - B) Lactic acid
  - C) Bacteria
  - D) Mould
56. The milk most suitable for the preparation of Khoya is
- A) Cow milk
  - B) Buffalo milk
  - C) Goat milk
  - D) Sheep milk
57. Radiation and pasteurization
- A) inactivate performed botulism toxin
  - B) do not inactivate performed botulism toxin
  - C) partially inactivate performed botulism toxin
  - D) none of these
58. Which one yields highest dressing percentage?
- A) Buffalo
  - B) Pig
  - C) Goat
  - D) Sheep



59. A high speed of freezing tends to
- enhance tenderness.
  - decrease tenderness.
  - neither enhance nor decrease tenderness.
  - none of these.
60. Minimal meat/meat equivalent food (g/doz) required for average human beings is
- 325
  - 125
  - 325
  - 50
61. Match List I with List II correctly and select your answer using the codes given below :

## List I

- Wood smoke
- Bloom
- Trigo
- Lanchetta meat

## List II

- Buntes
- Purnaklet(yet)
- Canned product with cereals
- Reign red colour

Codes :

- |    |   |   |   |   |
|----|---|---|---|---|
|    | a | b | c | d |
| A) | 2 | 4 | 3 | 1 |
| B) | 2 | 1 | 3 | 4 |
| C) | 2 | 4 | 1 | 3 |
| D) | 1 | 3 | 4 | 2 |

\* [3001]

[3002]

; Tattva gyan



82. Which of the following is not the main objective of ante-mortem inspection ?

- A) Body score of the animal.
- B) Identifying animal suffering from zoonotic disease.
- C) Identifying notifiable disease in the animal.
- D) Identifying general systemic disturbance of the animal.

83. Vitamin which is affected during cooking to a higher level is

- A) Thiamine
- B) Riboflavin
- C) Nicotin
- D) Pantothenic acid.

84. Ring worm does not occur in mammals due to

- A) Poor wool growth disease.
- B) Anthrax.
- C) Ringy pest.
- D) All of these.

85. The ideal temperature required for scaling in pigs is

- A) 40 - 45° C.
- B) 50 - 55° C.
- C) 60 - 65° C.
- D) 70 - 75° C.

86. Musky odour is present in

- A) Beef
- B) Carn beef
- C) Mutton
- D) Pork.

87. Carrage examination facilitates eliminating the meat infested with

- A) Mealy cysts
- B) Trichinid cysts
- C) Tubercular nodules
- D) All of these.

88. The degree to which an innovation is perceived as being better than the idea it supersedes is

- A) Relative advantage
- B) Compatibility
- C) Complexity
- D) Trialability









84. Shut-down point is the minimum point of
- |                       |                          |
|-----------------------|--------------------------|
| A) Average fixed cost | B) Average variable cost |
| C) Marginal cost      | D) Average cost          |
85. The depreciation per cent consider for milch animal in the second lactation is
- |                    |        |
|--------------------|--------|
| A) no depreciation | B) 10% |
| C) 20%             | D) 5%  |
86. Goods that lead to easy living are called
- |                |                  |
|----------------|------------------|
| A) Luxuries    | B) Comforts      |
| C) Necessaries | D) None of these |
87. Total fixed cost is
- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| A) Total cost - variable cost       | B) Total cost - total variable cost |
| C) Total variable cost - total cost | D) None of these                    |
88. In India, the jiggery enterprise is in the hands of
- |                                |                        |
|--------------------------------|------------------------|
| A) economically weaker section | B) middle class people |
| C) economically sound section  | D) none of these       |
89. The maximum egg production state in India is
- |                  |                   |
|------------------|-------------------|
| A) Tamil Nadu    | B) Madhya Pradesh |
| C) Uttar Pradesh | D) Andhra Pradesh |
90. \_\_\_\_\_ organ is called as Voice Box
- |              |            |
|--------------|------------|
| A) Larynx    | B) Pharynx |
| C) Esophagus | D) Trachea |
91. Synsacrum found in which of the following ?
- |         |          |
|---------|----------|
| A) Cow  | B) Horse |
| C) Goat | D) Dog   |



92. Heparin accelerates the activity of
- |                     |                   |
|---------------------|-------------------|
| A) Antithrombin III | B) Antithrombin X |
| C) Antithrombin IV  | D) None of these  |
93. The abdomen is lined by the serosa membrane known as
- |                |                   |
|----------------|-------------------|
| A) Diaphragm   | B) Peritoneum     |
| C) Pericardium | D) Lamina externa |
94. The bony part of the nasal septum is formed by
- |                                   |                |
|-----------------------------------|----------------|
| A) Turbinates                     | B) Nasal bones |
| C) Perpendicular plate of Ethmoid | D) Maxilla     |
95. Elastic cartilage is seen as
- |                     |                        |
|---------------------|------------------------|
| A) Trichia          | B) Epiglottis          |
| C) Costal cartilage | D) Intervertebral disc |
96. Os penis is present in
- |        |          |
|--------|----------|
| A) Ox  | B) Horse |
| C) Dog | D) Pig   |
97. Horn, Ichium and gubia of ox come next to horn
- |                  |                 |
|------------------|-----------------|
| A) Caudal cavity | B) Tailer canal |
| C) Acetabulum    | D) Ichiol arch  |
98. Heart is supplied by
- |                      |                        |
|----------------------|------------------------|
| A) Coronary arteries | B) Aorta               |
| C) Pulmonary artery  | D) Dorsocervical trunk |
99. Recurrent laryngeal nerve is the branch from
- |                      |                           |
|----------------------|---------------------------|
| A) Facial nerve      | B) Vagus nerve            |
| C) Hypoglossal nerve | D) Glossopharyngeal nerve |
100. Which artery is present in Ox and absent in Sheep and Goats?
- |                      |                      |
|----------------------|----------------------|
| A) Facial            | B) Caudal mesenteric |
| C) Transverse facial | D) Caudal epigastric |











118. Which one of the following is correct ?
- Maternal dystocia occurs less frequently than foetal dystocia in cattle.
  - Foetal dystocia is less frequent than maternal dystocia in cattle.
  - Foetal dystocia and maternal dystocia are more common in cattle.
  - Maternal dystocia is absent in cattle.
119. Duration of oestrus in bitch is
- 5 - 7 days
  - 6 - 8 days
  - 8 days
  - 2 - 4 days
120. Correct time of insemination in a cow for optimum fertility is
- At the end of oestrus
  - 12 hours after onset of oestrus
  - 6 hours after onset of oestrus
  - At the beginning of oestrus.
121. Thick transparent mucoid discharge from the vagina of a cow or buffalo indicates
- Vaginitis
  - Endometritis
  - Pyometra
  - Heat period.
122. The seminal vesicles are absent in
- Bull
  - Dog
  - Stallion
  - Boar.
123. FMD vaccination should be given at the age of
- Six months
  - one year
  - two months
  - eight months.
124. Alternate passage of infectious agent from one species of an animal to another species is known as
- Vertical transmission
  - Zig-zag transmission
  - Cyclopropagate transmission
  - Propagate transmission.



