

पुस्तिका में पृष्ठों की संख्या : 12
Number of Pages in Booklet : 12

प्रश्न-पत्र पुस्तिका संख्या /
Question Paper Booklet No.

पुस्तिका में प्रश्नों की संख्या : 120
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FCA-12

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समय : 3.00 घण्टे
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Paper - III

अधिकतम अंक : 200
Maximum Marks : 200

प्रश्न-पत्र पुस्तिका एवं उत्तर पत्रक के पेपर सील/पॉलिथीन बैग को खोलने पर परीक्षार्थी यह सुनिश्चित कर लें कि उसके प्रश्न-पत्र पुस्तिका पर वही प्रश्न-पत्र पुस्तिका संख्या अंकित है जो उत्तर पत्रक पर अंकित है। इसमें कोई भिन्नता हो तो परीक्षार्थी वीक्षक से दूसरा प्रश्न-पत्र प्राप्त कर लें। ऐसा सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी।
On opening the paper seal/polythene bag of the Question Paper Booklet the candidate should ensure that Question Paper Booklet No. of the Question Paper Booklet and Answer Sheet must be same. If there is any difference, candidate must obtain another Question Paper Booklet from Invigilator. Candidate himself shall be responsible for ensuring this.

परीक्षार्थियों के लिए निर्देश

1. सभी प्रश्नों के उत्तर दीजिए।
2. सभी प्रश्नों के अंक समान हैं।
3. प्रत्येक प्रश्न का केवल एक ही उत्तर दीजिए।
4. एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
5. प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले अथवा बबल को उत्तर पत्रक पर नीले बॉल प्वाइंट पेन से गहरा करना है।
6. OMR उत्तर पत्रक इस परीक्षा पुस्तिका के अन्दर रखा है। जब आपको परीक्षा पुस्तिका खोलने को कहा जाए, तो उत्तर-पत्रक निकाल कर ध्यान से केवल नीले बॉल पॉइंट पेन से विवरण भरें।
7. प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है। किसी भी प्रश्न से संबंधित गोले या बबल को खाली छोड़ना गलत उत्तर नहीं माना जायेगा।
8. मोबाइल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित है। यदि किसी अभ्यर्थी के पास ऐसी कोई वजित सामग्री मिलती है तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।
9. कृपया अपना रोल नम्बर ओ.एम.आर. पत्रक पर सावधानीपूर्वक सही भरें। गलत अथवा अपूर्ण रोल नम्बर भरने पर 5 अंक कुल प्राप्तांकों में से काटे जा सकते हैं।

चेतावनी : अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनधिकृत सामग्री पाई जाती है, तो उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराते हुए विविध नियमों-प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही विभाग ऐसे अभ्यर्थी को भविष्य में होने वाली विभाग की समस्त परीक्षाओं से विवर्जित कर सकता है।

INSTRUCTIONS FOR CANDIDATES

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
6. The OMR Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with blue ball point pen only.
7. 1/3 part of the mark(s) of each question will be deducted for each wrong answer. A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. 5 Marks can be deducted for filling wrong or incomplete Roll Number.

Warning : If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।

Do not open this Test Booklet until you are asked to do so.

11-0



1. For the first week the proper brooding temperature in the artificial brooder should be

- (1) 38 °C (2) 35 °C
(3) 30 °C (4) 24 °C

2. Mutations are usually

- (1) Incomplete (2) Co-dominant
(3) Dominant (4) Recessive

3. Which of the following factor does not affect the rate of genetic improvement from selection ?

- (1) Accuracy of selection
(2) Intensity of selection
(3) Genotypic standard deviation
(4) Phenotypic standard deviation

4. Which one of the following pair is mismatched ?

- (1) Ellichpuri – A buffalo breed
(2) Bhakarwal – A goat breed
(3) Gurej – A Sheep breed
(4) Ghorī – A Pig breed

5. Who coined the word 'genetics' ?

- (1) William Bateson
(2) Hugo De Vries
(3) Gregor John Mendel
(4) W.L. Johannsen

6. Which one of the following term is not the cause of genetic correlation ?

- (1) Pleiotropy (2) Linkage
(3) Homozygosity (4) Heterozygosity

7. Match list-I with list-II and choose the correct answer :

- | List-I | | List-II | |
|---------------|---|----------------|-------------------|
| (i) | Cross between pure exotic and cross-breed individual | A. | Test crossing |
| (ii) | Cross between an unknown and fully recessive individual | B. | Backward crossing |
| (iii) | Cross of a hybrid with one of the parental type | C. | Forward crossing |
| (iv) | Cross between native and cross-bred individual | D. | Back Crossing |

Codes :

- | | (i) | (ii) | (iii) | (iv) |
|-----|-----|------|-------|------|
| (1) | A | B | C | D |
| (2) | B | D | A | C |
| (3) | C | A | D | B |
| (4) | D | C | B | A |

8. Which of the following statement is false about economically important trait of Livestock ?

- (1) These traits have distinct classes.
(2) These are influenced by environment.
(3) These traits can be measured.
(4) These traits are governed by large number of genes.

9. The average age of parent when their offspring is born is called

- (1) Service period
(2) Calving interval
(3) Generation interval
(4) Postpartum period

10. Which variation is found in qualitative traits ?
- (1) Discrete variation
 - (2) Continuous variation
 - (3) Both Discrete and Continuous variation
 - (4) None of these
11. When one gene can produce many effects or responsible for many traits is called
- (1) Multiple genes
 - (2) Multiple alleles
 - (3) Pleiotropism
 - (4) Epistasis
12. Cotton seed is known to contain which one of the following anti nutritional factor ?
- (1) Oxalic acid
 - (2) Mimosine
 - (3) Gossypol
 - (4) Glucosinolates
13. As per BIS specifications minimum crude protein content in "Type-I" cattle feed should be
- (1) 22%
 - (2) 18%
 - (3) 20%
 - (4) 16%
14. As per BIS specifications Calorie – Protein Ratio in Broiler finisher ration must be
- (1) 105
 - (2) 115
 - (3) 125
 - (4) 145
15. Poultry diet containing less than 3 per cent crude fibre may lead to the problem of
- (1) Cannibalism and Feather picking
 - (2) Crazy chick disease
 - (3) Fatty liver
 - (4) Renal failure

16. Which one of the following Micro organisms is used as Probiotic in feeding of Ruminant Animals ?
- (1) Aspergillus flavus
 - (2) Sacchromyces cerevisiae
 - (3) Staphylococcus aureus
 - (4) Clostridium botulinum
17. Which one of the following is "Digestible Nutrient Type" feeding standard ?
- (1) Morrison standard
 - (2) Hay standard
 - (3) ARC standard
 - (4) Kellener standard
18. Curled toe paralysis in chicken is due to deficiency of
- (1) Vitamin B12
 - (2) Vitamin B1
 - (3) Niacin
 - (4) Vitamin B2
19. In the last trimester of pregnancy in cattle an additional amount of DCP and TDN should be provided
- (1) 90 – 130 g DCP and 1 – 1.1 kg TDN
 - (2) 90 – 130 g DCP and 1.8 – 2.5 kg TDN
 - (3) 190 – 230 g DCP and 1.5 – 1.8 kg TDN
 - (4) 130 – 150 g DCP and 1.5 – 1.8 kg TDN
20. The level of crude fibre in creep ration should be
- (1) 5%
 - (2) 10%
 - (3) 15%
 - (4) 20%
21. Conversion of beta carotene to Vitamin A in cattle is
- (1) 100%
 - (2) 30%
 - (3) 24%
 - (4) 33%



22. Wooden tongue is caused by which of the following ?
 (1) Actinomyces bovis
 (2) Nocardia asteroides
 (3) Actinobacillus lignieresii
 (4) Pasteurella canis
23. Mast cells are derived from
 (1) Thymus (2) Bone marrow
 (3) Lymphnodes (4) Spleen
24. Ergotism is caused due to mycotoxins produced by
 (1) Blastomyces dermatitidis
 (2) Aspergillus flavus
 (3) Amanita verna
 (4) Claviceps purpurea
25. Slide culture technique is used for demonstration of
 (1) Bacteria (2) Mycoplasma
 (3) Fungi (4) Virus
26. Which pair of molecules are opsonins ?
 (1) IgG and C5a (2) IgG and C3b
 (3) IgG and IgE (4) IgG and C5b
27. How does the oncogene of bovine papilloma virus act ?
 (1) They act as tumor suppressor gene.
 (2) They code for early viral proteins leading to malignant transformation.
 (3) They function identical to cellular oncogenes.
 (4) They kill the infected cell when upregulated.
28. Sporangiospores are formed only by fungi of
 (1) Basidiomycetes
 (2) Ascomycetes
 (3) Zygomycetes
 (4) Deuteromycetes
29. Growth in presence of thionin and basic fuchsin are characters of :
 (1) Brucella melitensis
 (2) Brucella suis
 (3) Brucella ovis
 (4) Brucella abortus
30. The acquisition of DNA molecule by bacterial cells from environment is called :
 (1) Transformation (2) Transduction
 (3) Conjugation (4) Translution
31. Bacteria that grow at 50-55 °C are known as :
 (1) Psychrophiles (2) Mesophiles
 (3) Thermophiles (4) Halophiles
32. Bollinger bodies are intracytoplasmic inclusion bodies seen in
 (1) Fowl pox
 (2) Canine distemper
 (3) Rabies
 (4) Infectious canine hepatitis
33. A condition in which organs fail to develop to their full normal size is known as
 (1) Aplasia (2) Agenesis
 (3) Hypoplasia (4) Atrophy

34. The term that refers to the percentage of packed erythrocytes per unit volume of blood is the :
- (1) Differential Count
 - (2) Hemoglobin
 - (3) Hematocrit
 - (4) Hemopoiesis
35. The other name for Monday morning disease is
- (1) White muscle disease
 - (2) Synovitis
 - (3) Navicular disease
 - (4) Azoturia
36. An inter-cellular edema of the epidermis is called as
- (1) Vesicle
 - (2) Spongiosis
 - (3) Papule
 - (4) Wheal
37. Wide spread centrilobular to panlobular hepatic necrosis found in :
- (1) FMD
 - (2) Rabies
 - (3) Rubarth's disease
 - (4) Canine distemper
38. The species which is resistant to tetanus is :
- (1) Cattle
 - (2) Horse
 - (3) Poultry
 - (4) Mule
39. Inflammation of vein is called
- (1) Glossitis
 - (2) Phlebitis
 - (3) Gingivitis
 - (4) Colitis
40. Reduced supply of arterial blood to an organ or tissue is known as
- (1) Infarction
 - (2) Ischemia
 - (3) Thrombosis
 - (4) Embolism
41. In Ruminants animals during postmortem the carcasses should be placed in which position ?
- (1) Left Lateral recumbency
 - (2) Right Lateral recumbency
 - (3) Dorsal recumbency
 - (4) Ventral recumbency
42. The hosts for *Trichostrongylus colcaratus* are
- (1) Sheep and goat
 - (2) Horse and Pig
 - (3) Rabbit and Hare
 - (4) Camel and Dog
43. "Eye worms" are parasites of conjunctival sac and lacrimal duct and belong to family
- (1) Spiruridae
 - (2) Thelazidae
 - (3) Gongylonematidae
 - (4) Tetrameridae
44. The common name for disease caused *Trypanosoma evansi* is
- (1) Red nose
 - (2) Three day sickness
 - (3) Surra
 - (4) White scours
45. The predilection site for *Demodex bovis* is
- (1) Hair follicle and sebaceous gland
 - (2) Skin
 - (3) Nasal cavity
 - (4) Hepatic veins
46. Tetrathyridium is formed in the life cycle of
- (1) *Moniezia expansa*
 - (2) *Avitellina centripunctata*
 - (3) *Cotugnia digonopora*
 - (4) None of these



47. Allergic dermatitis in cattle is caused by microfilariae of
 (1) *Onchocerca cervicalis*
 (2) *Seteria cervi*
 (3) *Stephanofilaria zaheeri*
 (4) None of these
48. East cost fever in cattle is caused by
 (1) *Theileria* (2) *Babesia*
 (3) *Trypanosoma* (4) None of these
49. *Echinococcus granulosus* found in
 (1) Small intestine of dog
 (2) Small intestine of goat
 (3) Stomach of dog
 (4) Large intestine of man
50. Indian liver fluke is which of the following ?
 (1) Prosthogonimum species
 (2) Paramphistomes species
 (3) Fasciola hepatica
 (4) Fasciola gigantica
51. Flame cell is excretory system of which of the following ?
 (1) Trematodes
 (2) Cestodes
 (3) Nematodes
 (4) Acanthocephala
52. Study of drugs which selectively inhibit or destroy specific agents of disease such as bacteria, viruses, fungi and parasites.
 (1) Medicinal chemistry
 (2) Chemotherapy
 (3) Pharmacy
 (4) Clinical Pharmacology
53. Mode of action of verapamil is
 (1) Calcium Channel blocker
 (2) Anticholinesterase
 (3) Histamine receptor antagonists
 (4) Inhibitor of bacterial cell wall synthesis
54. Which is not sympatomimetic class of drug from following ?
 (1) Epinephrine
 (2) Norepinephrine
 (3) Neostigmine
 (4) Isoprenaline
55. Which is not a third generation cephalosporine from following ?
 (1) Cefpodoxime (2) Cefovecin
 (3) Cefoperazone (4) Cefepime
56. Amprolium is used for the prevention and treatment of which disease in Poultry and Cattle ?
 (1) Liver flukes (2) Lung flukes
 (3) Coccidiosis (4) Ascariasis
57. Drug of choice for treatment and prophylaxis of all forms of Theileriosis in cattle
 (1) Diminazine aceturate
 (2) Buparvaquone
 (3) Quinapyramine
 (4) Isometmedium
58. Cartilage deformities and chondrodestruction in young animals is caused by which of the below antibiotic ?
 (1) Enrofloxacin
 (2) Oxytetracycline
 (3) Cefotaxime
 (4) Nitrofurans



59. Which penicillin is effective against *Pseudomonas aeruginosa* ?
 (1) Ampicillin (2) Amoxicillin
 (3) Methicillin (4) Carbenicillin
60. Which anthelmintic agent has highly selective effect against microfilarial parasite ?
 (1) Fenbendazole
 (2) Pyrantal pamoate
 (3) Diethylcarbamazine
 (4) Cunic mixture
61. The treatment of cyanide poisoning involves combination of
 (1) Sodium nitrate and sodium sulfate
 (2) Calcium EDTA and sodium bicarbonate
 (3) Sodium thiosulfate and hydroxycobalamine
 (4) Sodium sulfate and sodium nitrite
62. Identify the disease which is not a zoonotic infection that can be transmitted from dogs :
 (1) Toxocariasis
 (2) Cheyletiella mites
 (3) Sarcoptic mange
 (4) Hepatitis
63. Operation Flood III was launched during
 (1) 1986 (2) 1990
 (3) 1992 (4) 1980
64. Insecticides of group that constitute the principal health hazard to consumers of milk and milk products ?
 (1) Organic sulphates
 (2) Organic phosphates
 (3) Chlorinated hydrocarbons
 (4) Activated chlorinate
65. The following acid producing bacteria convert lactose into lactic acid in milk
 (1) Streptococcus cremoris
 (2) Staphylococcus aureus
 (3) Bacillus cereus
 (4) Clostridium botulinum
66. In which disease post mortem of carcass is prohibited ?
 (1) Haemorrhagic septicemia
 (2) Rinder pest
 (3) Anthrax
 (4) Brucellosis
67. The most effective chemical disinfectant to kill FMD virus is :
 (1) 2% formalin
 (2) 70% alcohol
 (3) 2% Sodium hydroxide
 (4) 0.5% phenol
68. The primary goal of public health is to
 (1) Protect the uninfected
 (2) Protect the infected
 (3) Protect the identity of those who have died from an infectious disease
 (4) Protect the population
69. Example of sylvatic zoonosis is :
 (1) Rabies (2) Tuberculosis
 (3) Anthrax (4) Swine fever
70. In modern smoke house, we can control
 (1) Temperature (2) Moisture
 (3) Air (4) Flavour
71. Immediate test to judge the quality of milk
 (1) Electro impedance method
 (2) Alcohol test
 (3) Organoleptic tests
 (4) Sediment test

72. Magnetic Resonance Imaging and is based on magnetic resonance of hydrogen protons. Especially minor contrast deviations in the body can be imaged. Thus MRI is especially useful for imaging of
- (1) Bones
 - (2) Skin
 - (3) Soft tissues
 - (4) Fluids
73. Which of the following is commonly used for infiltration and epidural anesthesia in cattle ?
- (1) Proparacaine
 - (2) Lidocaine
 - (3) Pentobarbital
 - (4) Sodium pentothal
74. An easy and safe suture pattern suitable for intestinal anastomosis.
- (1) Gambee suture
 - (2) Halstead suture
 - (3) Cross mattress suture
 - (4) Interrupted inverted mattress suture
75. Chromic catgut is made up of :
- (1) Cat gut
 - (2) Sheep gut
 - (3) Kangaroo gut
 - (4) Dog gut
76. Atropine as a premedication before anesthesia will cause :
- (1) Sedation and analgesia
 - (2) Bronchodilation and bradycardia
 - (3) Vagal inhibition and decreased gastric secretion
 - (4) Miosis and decreased respiration
77. Degree of CNS depression in which patient is awake but calm and free from nervousness is
- (1) Hypnosis
 - (2) Sedation
 - (3) Analgesia
 - (4) Narcosis
78. Drug used to antagonise the sedative effect of xylazine in cattle is
- (1) Yohimbin and 4-amino pyridine
 - (2) Defomidine
 - (3) Atropine sulphate
 - (4) Neostigmine
79. Avian influenza can affect human beings and has caused wide infections at some places. The only two influenza A virus subtypes currently in general circulation among people are
- (1) H1N1 and H3N2
 - (2) H3N2 and H7N2
 - (3) H1N1 and H5N1
 - (4) H7N7 and H3N8
80. Necrotic laryngitis (Calf Diphtheria) is clinically evident as progressive inspiratory dyspnea, low grade fever and cough after attempts to drink or eat. The causative organism for this disease is
- (1) Salmonella typhimurium
 - (2) Bacillus cereus
 - (3) Corynebacterium diphtheria
 - (4) Fusobacterium necrophorum
81. Vaccination can be done for one neoplastic disease of birds. The disease is
- (1) Infectious bursal disease
 - (2) Fowl cholera
 - (3) New castle disease
 - (4) Mareks disease

82. Colic in horses is of many types including spasmodic, impactive and due to strangulation/torsion of the gastrointestinal tract. The appropriate and immediate therapy would require
- (1) Immediate surgery
 - (2) Administration of medical therapy including fluids, antispasmodics, and ranitidine
 - (3) Administration of antibiotics and anti-inflammatory drugs
 - (4) Administration of neostigmine and antihistaminic
83. Bestiality means a human being having sex with an animal. This is punishable under Act of the government of India. This is covered under which section of the Indian Penal Code ?
- (1) Section 277 (2) Section 377
 - (3) Section 117 (4) Section 317
84. Surra (Trypanosomiasis) in camels is characterized by which of the following sets of etiological agent and clinical signs ?
- (1) Trypanosoma equiperdum, constipation, respiratory distress and skin eruptions
 - (2) Trypanosoma caballi, continuous fever and diarrhea.
 - (3) Trypanosoma babesii, low body temperature and pneumonia
 - (4) Trypanosoma evansi, intermittent fever, progressive anemia, loss of body weight
85. Antidote of Organophosphorus insecticide poisoning is
- (1) Atropine sulphate
 - (2) 5% Acetic acid
 - (3) Sodium thiosulphate
 - (4) Methylene blue
86. Toxoplasma gondii, a protozoa may infect all domestic animals but it is a common and serious cause of abortion only in
- (1) Bitches (2) Mares
 - (3) Cattle (4) Sheep
87. The bulbourethral glands are absent in the
- (1) Boar (2) Stallion
 - (3) Buffalo bull (4) Dog
88. Thawing 2-3 ml cattle semen straw should be accomplished in a :
- (1) 37°C water bath for 45 sec.
 - (2) 45°C water bath for 45 sec.
 - (3) 37°C water bath for 20 sec.
 - (4) 45°C water bath for 20 sec.
89. Flehman Reaction is absent in
- (1) Sheep (2) Goat
 - (3) Cattle (4) Pigs
90. Mechanism of communication between the ovaries and hypothalamo-pituitary axis is called as
- (1) Hormonal imbalance
 - (2) Feed back loop
 - (3) Fundamentalism
 - (4) Flehmen response
91. Abnormality in which one testis or both testes fail to descend from the abdominal cavity into the scrotum is :
- (1) Hypoplasia
 - (2) Aplasia
 - (3) Cryptorchism
 - (4) Vericocele

92. Which is the longest bone in the body of horse ?
 (1) Humerus (2) Radius
 (3) Femur (4) Tibia
93. Longest muscle in the body of animal is :
 (1) Longissimus costarum
 (2) Longissimus dorsi
 (3) Common digital extensor
 (4) Brachiocephalicus
94. In which of the following species the Sigmoid flexure is absent ?
 (1) Buffalo bull (2) Boar
 (3) Buck (4) Stallion
95. The hippocampus is situated in which part of brain ?
 (1) Autonomic nervous system
 (2) Limbic system
 (3) Central nervous system
 (4) Peripheral nervous system
96. Which is the transparent structure of fibrous tunic of eye ball ?
 (1) Choroid (2) Cornea
 (3) Retinae (4) Sclera
97. In which of the following organs the Hassal's corpuscles are present ?
 (1) Lymph node (2) Pineal gland
 (3) Spleen (4) Thymus
98. The digastricus muscle is absent in
 (1) Pig (2) Dog
 (3) Cattle (4) Horse
99. First branch from the thoracic aorta
 (1) Coronary artery
 (2) Brachiocephalic trunk
 (3) Common brachiocephalic trunk
 (4) Left brachial artery
100. All of the lymph is ultimately carried into the venous system by
 (1) Thoracic Duct and right lymphatic duct
 (2) Thoracic duct and Left lymphatic duct
 (3) Right lymphatic duct only
 (4) Left lymphatic duct only
101. Oxytocin is a hormone secreted by cells of the
 (1) pars distalis
 (2) pars intermedia
 (3) pars nervosa
 (4) pars tuberalis
102. Blood pressure is measured by
 (1) Electrocardiogram
 (2) Stethoscope
 (3) Clinical thermometer
 (4) Sphygmomanometer
103. Deoxygenated blood is carried in
 (1) Pulmonary artery
 (2) Pulmonary vein
 (3) Carotid artery
 (4) Aorta
104. The pons, medulla and cerebellum together form the :
 (1) forebrain
 (2) midbrain
 (3) hindbrain
 (4) cerebral hemispheres
105. The first step of Heme synthesis takes place in the :
 (1) Mitochondria
 (2) Golgi apparatus
 (3) Rough endoplasmic reticulum
 (4) Peroxisomes

□

106. Microbes present in the rumen produces the cellulase enzymes required to digest the :
- (1) Lipids (2) Proteins
(3) Cellulose (4) Starch
107. What do Leydig cells produce ?
- (1) Testosterone
(2) Androgen binding globulin
(3) Oestrogen
(4) Progesteron
108. Invert sugar is
- (1) Lactose
(2) Sucrose
(3) Hydrolytic products of sucrose
(4) Fructose
109. Sulphur containing amino acid is
- (1) Methionine (2) Leucine
(3) Valine (4) Asparagine
110. Tocopherols prevent the oxidation of
- (1) Vitamin A (2) Vitamin D
(3) Vitamin K (4) Vitamin C
111. The nitrogenous base present in the RNA molecule is
- (1) Thymine (2) Uracil
(3) Xanthine (4) Hypoxanthine
112. Act of mating in sheep known as
- (1) Topping (2) Serving
(3) Covering (4) Coupling
113. Which one of the following is leguminous Fodder crop ?
- (1) Oat (2) Maize
(3) Cowpea (4) Barley
114. A zoo can be categorised as "Medium Zoo" when number of species exhibited are
- (1) 20 – 45 (2) 50 – 75
(3) 10 – 15 (4) 0 – 5
115. Indian Wildlife Protection Act was formed in which of the following years ?
- (1) 1993 (2) 1995
(3) 1978 (4) 1972
116. Nanda Devi National Park is situated in which of the following states ?
- (1) Assam (2) Rajasthan
(3) Uttarakhand (4) Bihar
117. The minimum dry matter content in good quality "Hay" is
- (1) 60 – 65% (2) 70 – 75%
(3) 85 – 90% (4) 15 – 20%
118. Which one of the following grasses is commonly grown in the postures of Arid Zone ?
- (1) Chloris gayana
(2) Euchlaema schrad
(3) Pennisetum pedicellatum
(4) Lasiurus scindicus
119. Which breed of Sheep in Rajasthan is known as Merino of Rajasthan ?
- (1) Chokla (2) Magra
(3) Marwari (4) Sonadi
120. Bull nose ring is inserted for the first time in calver at the age of
- (1) 3 months (2) 6 months
(3) 12 months (4) 18 months

रफ कार्य के लिए स्थान / SPACE FOR ROUGH WORK

