

**KARNATAKA VETERINARY, ANIMAL AND FISHERIES SCIENCES
UNIVERSITY, BIDAR**
Post Graduate Entrance Examinations : 2021-22
MVSc : Group B

HALL TICKET NO.....

Date: 10th May 2022

Max Marks : 100

Duration : 2 Hrs.

Choose the correct answer from the four options given under each question and fill the relevant circle with black ball point pen in the OMR Sheet.

Note: 1) Do not use pencil for marking on the OMR Sheet.

2) Marking on the OMR sheet for more than one option for a question will be rendered invalid.

1. Process by which a person becomes changed in his behavior through self activity;
 - a. Teaching
 - b. Learning
 - c. Learning situation
 - d. Teaching situation
2. The last step of extension teaching is;
 - a. Interest
 - b. Attention
 - c. Attraction
 - d. Satisfaction
3. The percentage of late majority people who adopt an innovation in a social system is
 - a. 2.5%
 - b. 34%
 - c. 13.5%
 - d. 16%
4. The survey or study conducted during the course of implementation of the programme is called;
 - a. Pilot study
 - b. Bench mark study
 - c. Concurrent study
 - d. Census
5. Approximate number of Dairy Co-operatives functioning under KMF is
 - a. 10000
 - b. 5000
 - c. 15000
 - d. 20000

- 6 The sampling method used when the samples have traits that are rare to find is
- Lottery method of sampling
 - Snow ball sampling
 - Accidental sampling method
 - Cluster sampling method
- 7 Group with which the individual approaches for information, technical advice, etc, is
- Secondary group
 - Delegate group
 - Reference group
 - Voluntary group
- 8 Break - even point essentially refers to
- Total Cost
 - Total variable Cost
 - Minimum of Average total Cost
 - Minimum of Average variable Cost
- 9 Facilitation function of marketing includes
- Production
 - Assembling
 - Buying
 - Market information
- 10 Micro Economics is otherwise called as
- Price theory
 - Theory of production
 - Income theory
 - Theory consumption
- 11 Water resource is representative of
- Land
 - Labour
 - Capital
 - Organization
- 12 In modern marketing the orientation is towards
- Producers
 - Customers
 - Middle men
 - Company
- 13 Which of the following is considered to be the capital
- Sunshine
 - Animal shed
 - River
 - Grazing land
- 14 The direction one expects to go during a given period of time is known as
- Principle
 - Objective
 - Goal
 - All the above
- 15 KVAFSU account and ICAR account are examples of;
- Nominal account
 - Real intangible account
 - Real tangible account
 - Personal account

- 16 CEDOK is the organization related to
a. Banking b. Health
c. Share market d. Entrepreneurship
- 17 The farming system wherein the output of one activity becomes input of other is
a. Specialized farming b. Integrated farming
c. Intensive farming d. Relay farming
- 18 The government official at Taluk Panchayath is
a. Chief Executive Officer b. Executive Officer
c. Panchayath Development Officer d. Tahsildar
- 19 NIRD & PR institute specialized in rural development is located in
a. Madras b. Anand
c. Delhi d. Hyderabad
- 20 Discounted measure of project appraisal is
a. Benefit Cost Ratio b. Payback period
c. Annual proceeds d. Average annual proceeds per rupee
21. Egg laying in layers starts at
a. 14 wks b. 16 wks
c. 18 wks d. 24 wks
22. The Karan Fries breed was developed at NDRI from
a. Tharparkar b. Red Sindhi
c. Ongole d. Sahiwal
23. The direction of long axis of poultry shed should be
a. North-south b. East – West
c. East-North d. West-South
24. The most important greenhouse gas produced by dairy cattle
a. N_2O b. NH_3
c. NO_2 d. CH_4
25. The buffalo breed evolved out of crossing Surti and Murrah
a. Nagpuri b. Jaffarabadi
c. Nili Ravi d. Mehsana
26. Forage crops cut while green and fed in fresh condition
a. Soilage b. Silage
c. Green mulch d. Haylage

27. A laboratory animal with known microbes is referred to as
a. Specific pathogen free b. Disease free
c. Transgenic d. Gnotobiotic
28. Meat from the back and sides of a pig
a. Back fat b. Bacon
c. Lard d. Ham
29. National Research Centre on Yak is located at
a. Dirang b. Medziphema
c. Srinagar d. Guwahati
30. Scientific name of one-humped camel
a. *Camelus monohumpus* b. *Camelus bactrianus*
c. *Camelus camelus* d. *Camelus dromedarius*
31. A cross between a male horse and female ass is
a. Mule b. Jennet
c. Hinny d. Honkey
32. Technology used in electronic identification of livestock is
a. RFID b. RAID
c. UID d. LID
33. The amount of milk remaining in the udder after a normal milking is called
a. Fore-milk b. Residual milk
c. Hormonal milk d. Persistent milk
34. Age at which first dose of IBD vaccine will be given is
a. 3rd week b. 1st week
c. 6th week d. 8th week
35. In dairy cattle, the milk yield and milk fat are
a. Directly related b. Inversely related
c. Exponentially related d. Not related
36. Sex ratio in broiler breeders should be
a. 1:10 to 12 b. 1: 6 to 8
c. 1: 12 to 15 d. 1:1
37. In livestock houses, the gradient of the floors towards the drain should be
a. 1 in 10 b. 1 in 20
c. 1 in 30 d. 1 in 40

38. A three-beat gait of horse
a. Gallop
c. Canter
b. Walk
d. Trot
39. Langshan belongs to the Class
a. American
c. English
b. Mediterranean
d. Asiatic
40. Refined wool wax is called
a. Lanolin
c. Paraffin
b. Linoleum
d. Lint
41. Synthesis of RNA from DNA is termed
a. Transformation
c. Translation
b. Transduction
d. Transcription
42. The relationship between mean, median and mode in case of a symmetrical distribution is
a. $\text{Mean} > \text{Median} > \text{Mode}$
c. $\text{Mean} > \text{Median} < \text{Mode}$
b. $\text{Mean} = \text{Median} > \text{Mode}$
d. $\text{Mean} = \text{Median} = \text{Mode}$
43. The correlation between measurements made in the life time of the same animal is termed
a. Correlation
c. Linkage
b. Repeatability
d. Heritability
44. The most potent force to change the gene frequency of a population is
a. Migration
c. Mutation
b. Selection
d. Genetic drift
45. Changes in chromosome number due to addition or deletion of whole sets of chromosomes is called
a. Duplication
c. Euploidy
b. Anieuploidy
d. Translocation
46. The stage at which a population does not show further improvement is termed
a. Selection plateau
c. Selection response
b. Selection index
d. Selection differential
47. Economic traits are
a. Non parameteric traits
c. Qualitative traits
b. Threshold traits
d. Objective traits
48. In cattle all the autosomes are
a. Acrocentric
c. Sub metacentric
b. Metacentric
d. Telocentric

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60. Which of the following biomolecule has self-repair mechanisms?
 - a. DNA only
 - b. DNA and RNA
 - c. DNA and Proteins
 - d. DNA, RNA and Protein
61. Polyneuritis in chicks is caused due to deficiency of
 - a. Thiamine
 - b. Riboflavin
 - c. Pyridoxine
 - d. Choline
62. Carbohydrate content of mature animal body
 - a. <10%
 - b. <1%
 - c. >10%
 - d. >50%
63. Metabolisable energy specification per kg of broiler finisher ration
 - a. 2600 Kcal
 - b. 2900 Kcal
 - c. 2800 Kcal
 - d. 2700 Kcal
64. Anti nutritional factor present in cotton seed
 - a. Gossypol
 - b. Mimosin
 - c. Thaminase
 - d. HCN
65. Maximum level of incorporation of urea in concentrate mixtures for cattle
 - a. 3%
 - b. 1%
 - c. 10%
 - d. 15%
66. The most commonly used external marker in digestion trial
 - a. AIA
 - b. ADFA
 - c. Cellulose
 - d. Cr_2O_3
67. Wool keratin is characterized by its high content of the amino acid
 - a. Cystine
 - b. Lysine
 - c. Arginine
 - d. Histidine
68. Gram of CP required to produce one Kg of milk
 - a. 150
 - b. 200
 - c. 30
 - d. 90
69. ME MJ equivalent of one Kg TDN
 - a. 20
 - b. 30.5
 - c. 5
 - d. 15.1

70. A New born calf weighing 25 kg should receive milk at the rate of
a. 2.5 Kg/day b. 5 Kg/day
c. 10 Kg/day d. 1Kg/day
71. The requirement of ME MJ per Kg of 4% FCM yield
a. 5.2 b. 7
c. 10 d. 2
72. Hemicellulose content can be obtained using the formula
a. NDF-ADF b. NDF+ADF
c. ADF-NDF d. NDF/ADF
73. Glucogenic VFA produced in the Rumen
a. Acetic acid b. Propionic acid
c. Butyrate d. Isobutyrate
74. The proximate principles obtained by difference
a. NFE b. CF
c. EE d. CP
75. For optimum utilization of nitrogen in the rumen, the ratio of N:S should be
a. 1:1 b. 10:1
c. 50:1 d. 2:1
76. Each per cent of addition of urea in a concentrate mixture increases the CP by
a. 2.89 b. 5.0
c. 7.0 d. 6.25
77. The maximum permissible level of moisture (%) in compounded feed mixture
a. 10-12 b. 15-20
c. 90 d. 30
78. Limestone powder is a good source of
a. P b. Mg
c. Ca d. Zn
79. Calcium (%) content of di-calcium phosphate is
a. 34 b. 24
c. 19 d. 36

80. The common aflatoxin binding agent used in poultry feed is
- a. Molasses
 - b. Ligno-cellulose
 - c. NaHCO_3
 - d. HSCAS
81. The capacity of meat to retain its water during application of physical forces is known as
- a. WHC
 - b. TBRs
 - c. ERV
 - d. Tyrosine value
82. Following agents are employed for lowering the water activity of foods is known as
- a. Surfactant
 - b. Humectants
 - c. Disinfectant
 - d. Binder
83. The cured and smoked meat from pig bellies is known as
- a. Bacon
 - b. Ham
 - c. Chunk
 - d. Round
84. Plant enzymes Ficin used as artificial tenderization of meat is derived from
- a. Papaya
 - b. Pineapple
 - c. Fig
 - d. Kiwi
85. The intensity of light generally recommended at all inspection points in a abattoir should be not less than
- a. 220 lux
 - b. 540 lux
 - c. 440 lux
 - d. 110 lux
86. Casualty slaughter is done to animals suffering from
- a. Acute Pain
 - b. Chronic Pain
 - c. Anthrax
 - d. Rabies
87. Slaughter of dead animals is called as
- a. Hot Slaughter
 - b. Cold Slaughter
 - c. Casualty slaughter
 - d. Emergency slaughter
88. The Meat unfit for human consumption according to Halal law is
- a. Kosher
 - b. Haram
 - c. Terefa
 - d. Shochet
89. Purified Wool wax is known as
- a. Lanolin
 - b. Suint
 - c. Grease
 - d. Burr

90. Index organism for pasteurization is _____
a. *Coxiella burnetii* b. *Listeria monocytogenes*
c. *Campylobacter jejuni* d. *Mycobacterium tuberculosis*
91. The BOD value of abattoir effluent is _____ mg/ litre.
a. 600-1200 b. 500-1000
c. 1500-2000 d. 50-100
92. Which of the following milk constituents shows the greatest variation?
a. Protein b. Fat
c. Lactose d. Ash
93. The marker enzyme for pasteurization is
a. Catalase b. Lipase
c. Phosphatase d. Autolase
94. The cheese that can be made by using skim milk is
a. Cheddar b. Swiss
c. Cottage d. Mozzarella
95. Monosodium glutamate (MSG) is used in meat as _____
a. Colour fixing agent b. Flavour enhancer
c. Binder d. Emulsifier
96. By removing fat the specific gravity of milk
a. Decreases b. Remains same
c. Increases d. None
97. Heat converts this protein into gelatin during cooking
a. Collagen b. Elastin
c. Reticulin d. Actin
98. Ultimate pH of normal red meat is
a. 4.8 – 5.0 b. 5.4 – 5.6
c. 6.0 – 6.2 d. 6.8 – 7.0
99. Weasands are casings prepared from
a. Caecum b. Bladder
c. Intestines d. Oesophagus
100. The freezing point of meat is
a. -10°C b. -1.5°C
c. -18 °C d. -5 °C
