

33/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. 'Daivadasakam' is the literary contribution of :
(A) N. Kumaran Asan (B) Dr. Palpu
(C) Sri Narayana Guru (D) Vaikunta swamikal
2. Which among the following commission is set up by the government of India to form linguistic states in 1953?
(A) Fazal Ali Commission (B) Mudaliar Commission
(C) Mandal Commission (D) S.K. Daar Commission
3. Lord Hardinge cancelled the partition of Bengal in :
(A) 1910 (B) 1911
(C) 1912 (D) 1913
4. 'India Wins Freedom' is the work of :
(A) Abdul Kalam Azad (B) Dr. Zakir Hussain
(C) A.P.J. Abdul Kalam (D) Pheroz Shah Mehta
5. The founder of 'Ezhava Maha-Sabha' :
(A) Sahodaran Ayyappan (B) Ananda Theerthan
(C) T.K. Madhavan (D) C. Kesavan
6. Some events related to Indian freedom movement are given below :
 - a. Malabar Rebellion
 - b. Jallian Walla incident
 - c. Chauri Chaura incident
 - d. Champaran movementWhich chronological order is correct?
(A) d, a, c, b (B) d, b, c, a
(C) c, b, d, a (D) b, c, a, d

7. 'Ente Jeevitha Smaranagal' is the autobiography of :
 (A) A.K. Gopalan (B) Cherukad
 (C) Subrahmanian Thirumumbu (D) Mannath Padmanabhan
8. Name the social reformer who published the monthly 'Adhakritan'?
 (A) Pandit K.P. Karuppan (B) Velukkutty Arayan
 (C) K.P. Vallon (D) Swami Agamananda
9. Who is the president of Lahore Session of Congress which passed the resolution declaring Poornaswaraj in 1929?
 (A) Jawahar Lal Nehru (B) Motilal Nehru
 (C) C.R. Das (D) Gopala Krishna Gokhale
10. The historic 'Yachana Yatra' of V.T. Bhattathiripad was in :
 (A) 1930 (B) 1932
 (C) 1933 (D) 1931
11. Name the journal published by Gandhiji in South Africa.
 (A) Navjeevan (B) Indian opinion
 (C) Harijan (D) Young India
12. Who among the following is known as 'Praschanna Budha'?
 (A) Ram Mohan Rai (B) Vivekananda
 (C) Sankaracharya (D) Dayananda Saraswati
13. Who among the following is not a member of revolutionary terrorist movement in India?
 (A) Ram Prasad Bismil (B) Sachindra Nath Sanyal
 (C) Chandrasekhar Azad (D) Badruddin Tyabji
14. 'Aikya Muslim Sangham' is the reform movement founded by :
 (A) E. Moidu Maulavi (B) Vakkam Abdul Khader Maulavi
 (C) Muhammed Abdurahman (D) Vakkam Khader

15. Which one of the following movements began after the failure of crippls mission?
 (A) Quit India movement (B) Non-Cooperation movement
 (C) Civil Disobedience movement (D) Bhoodan movement
16. Who wrote 'Keralam Malayali-Kalude Mathrubhoomi'?
 (A) Dr. M.G.S. Narayanan (B) M.R. Raghava Warriar
 (C) E.M. Sankaran Namboodirippad (D) K.M. Panikker
17. Which of the following agitations started for freedom of travelling?
 (A) Guruvayur Satyagraha (B) Vaikam Satyagraha
 (C) Nivarthana Agitation (D) Malayali Memorial
18. 'Aruvippuram Prathishta' of Sri Narayana Guru was in :
 (A) 1886 (B) 1888
 (C) 1887 (D) 1889
19. Who is known as 'Sarhaddi Gandhi'?
 (A) Rajendra Prasad (B) Mirza Gulam Ahmmed
 (C) Theodore Beck (D) Khan Abdul Gaffer Khan
20. The founder of self respect-movement :
 (A) E.V. Ramaswami Naicker (B) Veeresalingam
 (C) Henry Vivian Derozio (D) Atma Ram Pandurang
21. Who wrote the famous book 'Origin of Species'?
 (A) Lamark (B) Darwin
 (C) De Vris (D) Mendel
22. A group of organisms at any particular level in a classification system is called a :
 (A) Species (B) Genus
 (C) Phylum (D) Family
23. Pyramid of energy in ecosystem is :
 (A) Mostly parallel (B) Always inverted
 (C) Always upright (D) Mostly inverted

24. Miotic stages are not observed in :
- (A) *Cosmarium* (B) *E.coli*
(C) *Saccaromyces* (D) *Chlorella*
25. The cause of cretinism is :
- (A) Hypothyroidism (B) Hypo parathyroidism
(C) Hyperthyroidism (D) Hyper parathyroidism
26. The gastrin is secreted from :
- (A) Intestine (B) Stomach
(C) Pancreas (D) Rectum
27. What are true about heart wood?
- a. It does not help in water conduction
b. It is also called alburnum
c. It is dark in colour but very soft
d. It has tracheary elements which are filled with tannin, resin etc.
- (A) a and d (B) b and d
(C) a, b and c (D) b, c and d
28. When red blood corpuscles containing both A and B antigens are mixed with your blood serum, they agglutinate. Hence your blood group is :
- (A) O (B) AB
(C) B (D) A
29. Which of the following is mainly responsible for green house effect?
- (A) SO_2 (B) CO_2
(C) CO (D) O_2
30. BT brinjal is an example of transgenic crops. In this, BT refers to :
- (A) *Bacillus tuberculosis* (B) Biotechnology
(C) Betacarotene (D) *Bacillus thuringiensis*

31. Osteomalacia is a deficiency disease of :
- (A) Infants due to protein energy malnutrition
 - (B) Adults due to Vitamin K deficiency
 - (C) Adults due to Vitamin D deficiency
 - (D) Infants due to Vitamin K deficiency
32. Which one of the following is polysaccharide?
- (A) Glycogen
 - (B) Sucrose
 - (C) Lactose
 - (D) Maltose
33. A balanced diet does not include :
- (A) Carbohydrate and fats
 - (B) Nucleic acids and enzymes
 - (C) Proteins and vitamins
 - (D) Minerals and salts
34. The part of the brain where the centre for hunger and thirst is located in :
- (A) Cerebrum
 - (B) Hypothalamus
 - (C) Cerebellum
 - (D) Medulla Oblongata
35. The name of the pacemaker of the heart is :
- (A) Lymph node
 - (B) Sinoatrial node
 - (C) Bi cuspid valve
 - (D) Semilunar valve
36. Pinus belong to the class :
- (A) Gnetosoda
 - (B) Cycadopsida
 - (C) Coniferopsida
 - (D) Sphenopsida
37. Which one of the following human cells do not contain mitochondria?
- (A) Nerve cell
 - (B) Red Blood cell
 - (C) Liver cell
 - (D) White Blood cell
38. Which function will be lost due to damage of occipital lobe?
- (A) Hearing
 - (B) Speech
 - (C) Vision
 - (D) Memory

39. Transpiration facilitates :
- (A) Opening of stomata (B) Absorption of water by roots
(C) Excretion of minerals (D) Electrolyte balance
40. The binomial system of classification was developed by :
- (A) Wallace (B) Linnaeus
(C) Malthus (D) Watson
41. A cattle breed with double dished face and fawn colour :
- (A) HF (B) Jersey
(C) Sahiwal (D) Vechur
42. The zoological classification of odd toed domestic animals :
- (A) Artiodactyla (B) Ruminant
(C) Mammalia (D) Perissodactyla
43. Name two important gases in biogas :
- (A) Methane and Carbon dioxide (B) Ethane and Carbon monoxide
(C) Oxygen and Nitrogen (D) None of the above
44. A group of sheep is called :
- (A) Herd (B) Flock
(C) Stock (D) Drove
45. Most common identification method for pigs :
- (A) Tatooing (B) Tagging
(C) Ear notching (D) Branding
46. Castrated male of goat :
- (A) Buck (B) Wether
(C) Boar (D) Ram
47. Lyre-horn grey cattle groups :
- (A) Kankrej and Tharparkar (B) Ongole and Rathi
(C) Gir and Deoni (D) Nimari and Sahiwal

48. One synthetic breed of cattle :
- (A) Holsteins Friesian (B) Tharparkar
(C) Sahiwal (D) Karan Fries
49. Optimum body weight of crossbred heifers at the time of first mating :
- (A) 125 kg (B) 250 kg
(C) 180 kg (D) 300 kg
50. An example of dairy type Indian cattle from Gujarat :
- (A) Sahiwal (B) Deoni
(C) Sindhi (D) Gir
51. Which of the following exotic cattle breed was not used in the cross-breeding programme in Kerala?
- (A) Ayrshire (B) Brown Swiss
(C) Holstein Friesian (D) Jersey
52. Which of the following is a legume fodder?
- (A) Guinea grass (B) Cowpea
(C) Maize (D) Jowar
53. A female cattle above one year, which has not calved is called :
- (A) Cow (B) Doe
(C) Heifer (D) Steer
54. The zoological name of the humped cattle is :
- (A) *Bos indicus* (B) *Bos taurus*
(C) *Bos bubalis* (D) *Bos arni*
55. The average gestation period in buffaloes in days :
- (A) 280 (B) 240
(C) 335 (D) 310
56. Metabolic disease in cow related with calcium :
- (A) Milk fever (B) Ketosis
(C) Bloat (D) Acidosis

57. The breed of cattle which is known as '*Lola*' owing to the loose skin :
 (A) Gir (B) Tharparkar
 (C) Sahiwal (D) Sindhi
58. The breed of cattle with long pendulous ears resembling a curled leaf is :
 (A) Sahiwal (B) Red Sindhi
 (C) Gir (D) Deoni
59. The gait *Sawai Chal* is peculiar to the breed called :
 (A) Sahiwal (B) Kankrej
 (C) Ongole (D) Deoni
60. The average fat content in milk (%) of Jersey cows :
 (A) 5.5 (B) 4
 (C) 3.5 (D) 7
61. Which of the following is a meat type goat breed?
 (A) Jamnapari (B) Alpine
 (C) Beetal (D) Boer
62. A pelt type breed of sheep :
 (A) Karakul (B) Merino
 (C) Polworth (D) Suffolk
63. The poultry breed which belong to the Mediterranean class is :
 (A) Rhode island red (B) Australorp
 (C) Sussex (D) Leghorn
64. Which of the following is a meat type duck?
 (A) Indian runner (B) Pekin
 (C) Khaki Campbell (D) Kuttanadan
65. The incubation period of Japanese quail eggs is :
 (A) 18 days (B) 21 days
 (C) 28 days (D) 35 days

66. As per the BIS standard the floor space requirement (m²) of the covered area for a cow is :
(A) 3.5 (B) 2
(C) 4 (D) 1
67. The gestation period in domestic pig is :
(A) 180-186 days (B) 140-145 days
(C) 155-160 days (D) 110-118 days
68. The normal body temperature (°F) in dairy cow is :
(A) 97.5 (B) 101.4
(C) 104 (D) 103.2
69. The meat of goat is known as :
(A) Mutton (B) Beef
(C) Carabeef (D) Chevon
70. The rabbit breed reared for wool :
(A) Grey Giant (B) Soviet Chinchilla
(C) Angora (D) New Zealand White
71. The time of ovulation in cow is :
(A) 10 hours after end of oestrus (B) 1-2 days before end of oestrus
(C) End of oestrus (D) Near beginning of oestrus
72. Which of the following is an induced ovulator?
(A) Mare (B) Ewe
(C) Bitch (D) Queen
73. The glandular portion of the ruminant digestive system is :
(A) Reticulum (B) Abomassum
(C) Omassum (D) Rumen
74. The oxytocin hormone is released from :
(A) Pituitary gland (B) Adrenal gland
(C) Hypothalamus (D) Thyroid gland

75. The native goat breed of Kerala is :
(A) Kuttanad (B) Malabari
(C) Jamnapari (D) Sunandini
76. The colostrum gives :
(A) Active immunity (B) Passive immunity
(C) Hypersensitivity (D) None
77. Normally the placenta is expelled after parturition in cows within :
(A) 4 to 8 hours (B) 14-18 hours
(C) 24 hours (D) 2 days
78. The sudden death and exudation of dark tarry blood from natural openings of the body is a symptom of the disease :
(A) FMD (B) Rinderpest
(C) Anthrax (D) Black leg
79. A disinfectant used on cattle barn and premises on outbreak of foot and mouth disease :
(A) Lime (B) Boric acid
(C) Washing soda (D) Phenol
80. Which of the following is a protozoan disease in poultry?
(A) Ranikhet disease (B) Coccidiosis
(C) Salmonellosis (D) Bursal disease
81. The length of standing space required for an adult cattle :
(A) 0.7-0.9 m (B) 1.5-1.7 m
(C) 1.0-1.2 m (D) 2.4-2.6 m
82. The minimum crude protein content of grade I compounded cattle feed as per BIS :
(A) 20% (B) 22%
(C) 11% (D) 14%
83. The medium used to prepare the number mould in freeze branding is :
(A) Ice (B) Deep freezer
(C) Solid ice (D) Liquid nitrogen

84. The fodder grass that is suited for cultivation in water-logged areas :
- (A) Hybrid Napier (B) Guinea grass
(C) Dinabandhu grass (D) Para grass
85. The chromosome number of goat is :
- (A) 54 (B) 72
(C) 60 (D) 48
86. An area accessible to young ones and not to adults, to provide additional feed is called :
- (A) Steer (B) Rig
(C) Tassel (D) Creep
87. The standard lactation length of a dairy cow is :
- (A) 180 days (B) 280 days
(C) 305 days (D) 365 days
88. Which of the following crop is popular for silage making?
- (A) Hybrid Napier (B) Berseem
(C) Guinea grass (D) Maize
89. The mineral whose deficiency leads to parakeratosis in pigs which is characterized by specific skin lesions :
- (A) Copper (B) Magnesium
(C) Zinc (D) Calcium
90. Which of the following is NOT a fat soluble vitamin :
- (A) Vitamin A (B) Vitamin D
(C) Vitamin C (D) Vitamin E
91. Polioencephalomalacia in ruminants is due to the deficiency of :
- (A) Thiamin (B) Biotin
(C) Choline (D) Riboflavin
92. The method of assessing the breeding value of an individual by evaluating the performance of the offsprings :
- (A) Pedigree testing (B) Progeny testing
(C) Family selection (D) None

93. The system of mating of animals which are more closely related than the average of the population from which they come :
- (A) Crossbreeding (B) Upgrading
(C) Inbreeding (D) Out crossing
94. The average dry matter intake in goats :
- (A) 1-2% (B) 2.5-3%
(C) 5-7% (D) None of the above
95. The temperature for UHT pasteurization is _____ degree centigrade :
- (A) 63 (B) 72
(C) 140 (D) 160
96. Average birth weight of crossbred calf :
- (A) 10 kg (B) 25 kg
(C) 35 kg (D) 40 kg
97. The capacity of a cow to maintain high yields for a longer period is known as :
- (A) Resistance (B) Peak yield
(C) High yield (D) Persistency
98. The breed of buffalo with sickle shaped horns :
- (A) Murrah (B) Nagpuri
(C) Jaffarabadi (D) Surti
99. Name identifying method in poultry :
- (A) Wing banding (B) Tagging
(C) Branding (D) Tatooing
100. In good quality hay the moisture content is :
- (A) Less than 15% (B) 20-25%
(C) 30% (D) None