

68/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Find out the wrongly spelt word :
(A) Accommodation (B) Occassion
(C) Occurrence (D) Succession
2. The synonym of 'Cheating' is :
(A) Tresspass (B) Trample
(C) Threshold (D) Treachery
3. Correct the following sentence :
"This is the house who was built by Mathew".
(A) Which (B) When
(C) It (D) Where
4. Use the correct phrasal verb :
'Killing wild animals cannot be tolerated'.
(A) put on (B) put out with
(C) put up with (D) put around with
5. Sandra _____ her friend everyday.
(A) calls (B) will call
(C) has called (D) called
6. Change into reported speech :
Sam : "Where is my cell phone?"
(A) Sam asked where was my cell phone
(B) Sam asked where my cell phone was
(C) Sam asked where his cell phone was
(D) Sam asked where was his cell phone
7. Sherin _____ living here since 1940.
(A) was (B) had been
(C) have been (D) has been

8. 'Venu is reading a novel'

Change the above sentence into passive voice :

- (A) A novel is been read by Venu
- (B) A novel is being read by Venu
- (C) A novel has been read by Venu
- (D) A novel was being read by Venu

9. Find out the one word substitute for the underlined words :

'We should not make our rivers dirty.

- (A) Contemplate
- (B) Commemorate
- (C) Confinement
- (D) Contaminate

10. He walked _____ the road.

- (A) on
- (B) in
- (C) through
- (D) by

11. ASCII stands for :

- (A) American Standard Code for Interchange Information
- (B) American Super Code for Information Interchange
- (C) American Standard Committee for Information Interchange
- (D) American Standard Code for Information Interchange

12. One Giga Byte is equal to :

- (A) 1024 * 1000 Bytes
- (B) 1024 Mega Bytes
- (C) 1000 Mega Bytes
- (D) 8 * 1024 Bytes

13. Select the wrong statement from the list given below :

- (A) Capacity of Cache Memory is 1024 bytes
- (B) Cache Memory is faster than RAM
- (C) Cache Memory is inside the CPU
- (D) Cache Memory is high speed memory

14. Which of the following is not a protocol?

- (A) FTP
- (B) GSM
- (C) LEC
- (D) SMTP

15. An example of spreadsheet program is :
(A) EXCEL (B) WORD
(C) TALLY (D) PAGEMAKER
16. Microprogramming is the design of :
(A) CPU (B) ALU
(C) ROM (D) Control Unit
17. Congestion control is done by :
(A) Network Layer (B) Physical Layer
(C) Presentation Layer (D) Application Layer
18. "Attempt to divide by zero" is an example of :
(A) External Interrupt (B) Internal Interrupt
(C) Software Interrupt (D) None of these
19. The hexadecimal representation of $(657)_8$ is :
(A) 32 F (B) D 78
(C) D 71 (D) 1 AF
20. Bootstrap Loader is started in which state of the Computer?
(A) Whenever the computer is first turned on
(B) Whenever the computer is restarted
(C) Both (A) and (B)
(D) No such loader exists
21. The lining epithelium of trachea is :
(A) Transitional epithelium
(B) Pseudo-stratified ciliated columnar
(C) Ciliated columnar epithelium
(D) None of the above
22. Zonary type of placenta is seen in :
(A) Cow (B) Sheep
(C) Dog (D) None of the above

23. Peyer's patches are found in :
(A) Ileum (B) Duodenum
(C) Colon (D) Stomach
24. The endocrine function of the pancreas is localised in the :
(A) Hepatocytes (B) Islets of Langerhans
(C) Pituicytes (D) Follicles
25. The bone of arm region :
(A) Scapula (B) Radius
(C) Ulna (D) Humerus
26. Smallest bone in the body :
(A) Malleus (B) Stapes
(C) Fibula (D) Ulna
27. After dystocia, the animal may show difficulty to stand up due to :
(A) Tibial nerve paralysis (B) Ishiatic nerve paralysis
(C) Fibular nerve paralysis (D) Obturator nerve paralysis
28. Fatty acid derivatives that serve as local hormones :
(A) Prostaglandins (B) Leukotrienes
(C) Thromboxanes (D) All of the above
29. When an allele of one gene masks expression of alleles of another gene and expresses its own phenotype instead, it is known as :
(A) Epistasis (B) Hypostasis
(C) Epistaxis (D) None of the above
30. Any gene mutation which does not result in phenotypic expression is called a :
(A) Silent mutation (B) Non-sense mutation
(C) Cross mutation (D) None of the above
31. The powerhouse of cell is :
(A) Nucleus (B) Mitochondria
(C) Lysosome (D) Nucleolus

32. Scurvy is caused due to the deficiency of which vitamin :
- (A) Vitamin A (B) Vitamin B
(C) Vitamin C (D) Vitamin D
33. The atoms having same number of protons but different number of neutrons in their nucleus is called :
- (A) Isotopes (B) Ionotopes
(C) Ionophores (D) Isomeres
34. The functional unit of kidney is :
- (A) Neurons (B) Nephrons
(C) Glomerulus (D) Tubules
35. The 'T' wave in healthy ECG is due to :
- (A) Ventricular depolarisation (B) Atrial repolarisation
(C) Atrial depolarisation (D) Ventricular repolarisation
36. Which of the following is not associated with diabetes mellitus?
- (A) Increased urine formation
(B) Renal threshold for glucose is exceeded
(C) Increased thirst
(D) Lack of ADH
37. A byte is made up of :
- (A) Eight bits (B) More than eight bits
(C) Less than eight bits (D) None of the above
38. Probability can take values from :
- (A) $-a$ to $+a$ (B) $-a$ to 1
(C) -1 to 1 (D) 0 to 1
39. The development of an embryo from an ovum without being fertilized by a spermatozoa :
- (A) Conception (B) Parthenogenesis
(C) Freemartin (D) None of the above
40. The process which prevents polyspermy in higher mammals :
- (A) Capacitation (B) Zona reaction
(C) Glycolysis (D) Lipolysis

41. The source of nourishment for developing zygote during period of ovum :
- (A) Placental reserves of food
 (B) Glucose and amino acids from maternal blood
 (C) Uterine milk
 (D) Reserve glycogen in ovum
42. Respiratory centre is located in :
- (A) Cerebrum (B) Cerebellum
 (C) Hypothalamus (D) Medulla oblongata
43. Copper deficiency will cause _____ anemia.
- (A) Hyperchromic (B) Microcytic
 (C) Normocytic (D) None of the above
44. Iron absorption will be favoured by :
- (A) Thiamine (B) Choline
 (C) Ascorbic acid (D) All the above
45. Genes carried on Y chromosome are called :
- (A) Holandric genes (B) Autosomes
 (C) Sex-limited genes (D) All the above
46. A good silage has a pH range of :
- (A) 2.0 to 3.0 (B) 5.0 to 6.5
 (C) 7.0 to 7.5 (D) 3.5 to 4.2
47. RBC is nucleated in :
- (A) Ox (B) Horse
 (C) Fowl (D) Dog
48. Premitus is obtained in per-rectal examination of pregnancy in cow from _____ onwards.
- (A) 70 days of pregnancy (B) 150 days of pregnancy
 (C) 205 days of pregnancy (D) 24 days of pregnancy
49. The respiratory rate of cattle is :
- (A) 10 – 14/minute (B) 12 – 20/minute
 (C) 26 – 35/minute (D) None of the above

50. Smooth muscles have how many nucleus :
- (A) One (B) Three
(C) Hundred (D) None of the above
51. The minimum prescribed percentage of fat and SNF for standardised milk :
- (A) 3% fat and 8.5% SNF (B) 3.5% fat and 8.0% SNF
(C) 4.5% fat and 8.5% SNF (D) 4% fat and 8.5% SNF
52. This among the following is not permitted as a source of Vitamin A in infant milk foods :
- (A) Retinyl succinate (B) Retinyl acetate
(C) Retinyl palmitate (D) Retinyl propionate
53. Addition of water to cow milk is to be suspected when freezing point comes between :
- (A) - 0.446 to - 0.456 (B) - 0.545 to - 0.556
(C) + 0.545 to + 0.555 (D) + 0.446 to + 0.456
54. The minimum Reichert-Meissel value required for ghee to be marketed in Kerala :
- (A) 24 (B) 26
(C) 22 (D) 20
55. The Implementing body of 'National Dairy Plan I' in India is :
- (A) FAO (B) Government of India
(C) ITC (D) NDDB
56. The pathogen of greatest concern in prepared infant foods :
- (A) *Bacillus thuringiensis* (B) *Yersinia enterocolitica*
(C) *Cronobacter sakazakii* (D) *Pseudomonas aeruginosa*
57. Which of the following food business comes under the purview of central licensing authority?
- (A) Milk processing units handling 2000 MT of milk solids per annum
(B) Milk processing units handling 3000 MT of milk solids per annum
(C) Milk chilling units equipped to process more than 50,000 litres of liquid milk per day
(D) Milk chilling units equipped to process more than 1,00,000 litres of liquid milk per day.

58. In the cross breeding programme of cattle, the exotic inheritance recommended is :
(A) 20% (B) 30%
(C) 40% (D) 50%
59. Referral laboratories for food sample analysis of India are located in :
(A) New Delhi, Bangalore, Ghaziabad, Mysore
(B) Ghaziabad, Mysore, Kolkata, Pune
(C) New Delhi, Kolkata, Bangalore, Mysore
(D) Trivandrum, Pune, Kolkata, Bangalore
60. Type of pump used in homogeniser :
(A) Centrifugal pump (B) Rotary pump
(C) Piston pump (D) Any of these
61. Name the market driven agricultural initiative through IT enabled agri-business centers in Kerala :
(A) e-Choupal (B) e-Krishi
(C) Ksheer Ganga (D) None of these
62. The protein fraction that is to be removed from cow milk during preparation of humanised milk :
(A) α - casein (B) α - lactalbumin
(C) Lactoferrin (D) β - lactoglobulin
63. Which among the following is responsible for food borne infection leading to abortion?
(A) *Listeria monocytogenes* (B) *Brucella abortus*
(C) *Yersinia enterocolitica* (D) *Staphylococcus aureus*
64. The quantity of ice cream sample that is to be sent to the food analyst :
(A) 100 g (B) 200 g
(C) 300 g (D) 400 g
65. What type of detergent is Sodium dodecyl sulphate?
(A) Anionic (B) Cationic
(C) Non-ionic (D) Amphoteric

66. Draught animal among the following :
- (A) Gir (B) Sahiwal
(C) Kangayam (D) Deoni
67. The US multinational company which acquired Cadbury company in 2010 :
- (A) Heinz (B) Kraft foods
(C) Nestle (D) None of these
68. Which of the following is an acid alcohol fermented milk product?
- (A) Villi (B) Yogurt
(C) Leben (D) Kefir
69. As per FSSA, the labelling requirements of infant milk foods should have the statement :
- (A) BREAST MILK IS BEST FOR YOUR BABY
(B) Breast Milk Is Best For Your Baby
(C) MOTHERS MILK IS BEST FOR YOUR BABY
(D) Mothers Milk Is Best For Your Baby
70. Most economic milk producing Indian breed :
- (A) Red sindhi (B) White sindhi
(C) Hallikkar (D) Kankrej
71. The cheese prepared from whey :
- (A) Cheddar (B) Ricotta
(C) Samsoc (D) Camembert
72. Minimum weight required for 1000 ml ice cream as per FSSA :
- (A) 525 g (B) 500 g
(C) 600 g (D) 625 g
73. Which among the following component contributes least to the specific gravity of milk?
- (A) Protein (B) Lactose
(C) Minerals (D) Fat
74. The m and M value for total viable count in pasteurised milk as per FSSA :
- (A) 25,000 and 50,000 cfu/ml (B) 30,000 and 50,000 cfu/ml
(C) 35,000 and 50,000 cfu/ml (D) 50,000 and 60,000 cfu/ml

75. Edible acid casein shall contains moisture not more than :
(A) 12% (B) 6%
(C) 8% (D) 10%
76. Lane-Eynon method is used to determine the following component in milk :
(A) Fat (B) Protein
(C) Minerals (D) Lactose
77. Breeding policy adopted in Kerala :
(A) Close breeding (B) Grading up
(C) Line breeding (D) Inbreeding
78. The salt of methylene blue that is used in dye reduction test (MBRT) :
(A) Thiocyanate (B) Sulphate
(C) Lactate (D) Chloride
79. Which of the following pertains to Food Safety Management System?
(A) ISO 9000 (B) ISO 12000
(C) ISO 14000 (D) ISO 22000
80. Milk from which animal is used for preparation of Koumiss :
(A) Sheep (B) Buffalo
(C) Mare (D) Camel
81. The first Technopark in India is established at :
(A) Bangalore (B) Thiruvananthapuram
(C) Hyderabad (D) Pune
82. Who is the author of the book "Mazhakanakkunnu"?
(A) Nirupama Menon Rao (B) Vikram Seth
(C) Anitha Nair (D) Kamala Das
83. Pulitzer Prize is given for :
(A) Literature (B) Photography
(C) Sports (D) Journalism

84. The birth place of Sree Narayana Guru is :
(A) Varkala (B) Kaladi
(C) Chempazhanthi (D) Chavara
85. Ophiology is the study of :
(A) Snake (B) Ant
(C) Lizard (D) Bird
86. Euro is the currency of :
(A) Iran (B) Argentina
(C) Canada (D) Ireland
87. Who was called 'African Gandhi'?
(A) Jomo Kenyatha (B) Nelson Mandela
(C) Martin Luther King (D) Kennath Kounda
88. 'Kudumbasree' is related to :
(A) Population (B) Literacy
(C) Poverty (D) Education
89. The year of Kundara Proclamation by Veluthampy :
(A) 1807 (B) 1814
(C) 1805 (D) 1809
90. "All are equal some are more equal" who made this statement?
(A) Rousseau (B) George Orwell
(C) Bernad Shaw (D) Abraham Lincoln
91. Shillong is the capital of :
(A) Manipur (B) Thripura
(C) Meghalaya (D) Nagaland
92. * Who was the volunteer captain in 'Guruvayoor Sathyagraha'?
(A) A.K. Gopalan (B) K. Kelappan
(C) K.P. Kesavamenon (D) Pattom Thanupillai

93. The World Teachers Day is observed on :
(A) September 5 (B) December 7
(C) October 5 (D) June 5
94. Kerala Women Commission Chairperson is :
(A) Sugathakumari (B) D. Sridevi
(C) K.P. Nurbina (D) K.C. Rosakkutty
95. The innermost layer of the earth's interior :
(A) Core (B) Sial
(C) Mantle (D) Crust
96. Forth Estate refers to :
(A) Supreme Court (B) Press
(C) Prime Minister (D) Election Commission
97. Agha Khan Cup is associated with :
(A) Tennis (B) Football
(C) Hockey (D) Badminton
98. Who directed the film "Celluloid"?
(A) Kamal (B) Blessy
(C) T.V. Chandran (D) Lal Jose
99. "Karmabhumi" is the resting place of :
(A) Rajiv Gandhi (B) Narasimha Rao
(C) Charan Singh (D) K.R. Narayanan
100. Longest river in Indian Subcontinent :
(A) Kaveri (B) Godavari
(C) Krishna (D) Mahanadi
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