

042/2018

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The elected President of Indian National Congress in 1886 :
(A) W.C. Bannerji (B) A.O. Hume
(C) Lord Dufferin (D) Dadabai Navaroji
2. June 3rd plan is related to the Viceroy :
(A) Lord Irwin (B) Lord Linlithgov
(C) Lord Mountbatten (D) Lord Lytton
3. Brahmaputhra is known as the ————— in Tibet.
(A) Tsang Po (B) Jamuna
(C) Siang (D) Burlungbuther
4. Who is the Prime Minister of India from 1984-1989?
(A) I.K. Gujaral (B) Narashimha Rao
(C) Dewa Gawda (D) Rajiv Gandhi
5. Who appointed a Director of Public instruction to co-ordinate educational activities in Travancore?
(A) Sri Mulam Tirunal (B) Gauri Lakshmi Bai
(C) Utram Tirunal (D) Gauri Parvatibai
6. Pookode lake is in :
(A) Kozhikode (B) Palaghat
(C) Wayanad (D) Alappuzha
7. Kerala and Karnataka get pre-monsoon showers. People call them :
(A) Loo (B) Blossom Showers
(C) Norwesters (D) Mango Showers
8. Wardha session of Indian National Congress passed the resolution of :
(A) Non-co-operation movement (B) Quit India
(C) Civil Disobedience movement (D) Dandi March

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[P.T.O.]

9. In the course of the Rebellion of 1857 ————— was proclaimed emperor of India.
- (A) Jhansy Rani (B) Nana Sahib
(C) Bahadur Sha II (D) Bahadur Sha I
10. Fifth Five year plan was launched in :
- (A) 1969 (B) 1980
(C) 1966 (D) 1974
11. Who popularized the idea of Misrabhojanam (interdining) among the Ezhavas and other castes?
- (A) Moithu Moulavi (B) K. Ayyappan
(C) Vakkom Abdul Khader Moulavi (D) Agamananda Swami
12. Who ended the Satyagraha before the Guruvayoor temple on October 2, 1932 on Gandhiji's advice?
- (A) K. Kelappan (B) P. Krishnapillai
(C) A.K. Gopalan (D) Sundarayya
13. K. Damodaran's ————— heralded a beginning of new era in Malayalam Drama.
- (A) Naishadam (B) Anuranjanam
(C) Kanyaka (D) Pattabakki
14. The first session of SNDP Yogam held at :
- (A) Aruvipuram (B) Cherai
(C) Thiruvillamala (D) Aluva
15. In recognition of the service to the Harijan community ————— was nominated as a member of the Sri Mulam Praja Sabha.
- (A) K. Ramakrishna Pillai (B) Seethi Koya Tangal
(C) Ayyankali (D) Chattampi Swamikal
16. The present Vice President of India :
- (A) Mohammed Hamid Ansari (B) Venkaiah Naidu
(C) Pranav Kumar Mukherji (D) Ramnad Kovind

17. Author of the book 'How to Play Cricket' :
- (A) Sachin Tendulkar (B) Kapil Dev
(C) Ravi Shastri (D) Sir Drone Bradman
18. Official animal of Nepal :
- (A) Cow (B) Tiger
(C) Deer (D) Elephant
19. Gir National Park is the famous ecopark in :
- (A) Maharashtra (B) Haryana
(C) Uttaranchal (D) Gujarat
20. The present Indian ambassidor of Netherland :
- (A) Venu Rajamani (B) Meera Shankar
(C) Arun Kumar Singh (D) Jaishankar
21. Act of parturition in cattle :
- (A) Lambing (B) Calving
(C) Kidding (D) Farrowing
22. The raised region between two horns of cattle :
- (A) Poll (B) Muzzle
(C) Jowl (D) Crest
23. Gestation period of cattle :
- (A) 310+/-5days (B) 150+/-5days
(C) 280+/-10 days (D) 300+/-5 days
24. Mastitis may be caused by :
- (A) Virus (B) Bacteria
(C) Fungi (D) All of these
25. True stomach of ruminants :
- (A) Abomasum (B) Reticulam
(C) Rumen (D) Omasum

26. Read the following statements, choose the correct answer :

Statements :

1. Colostrum contains large quantities of immunoglobulins.
2. Colostrum is rich in Vitamin A.
3. Colostrum has a laxative effect.

- (A) All are correct (B) Statement 1 only correct
(C) Statements 2 and 3 correct (D) Statement 2 only correct

27. A metabolic disease due to fall in serum calcium level in high producing animals :

- (A) Mastitis (B) Tuberculosis
(C) FMD (D) Milk fever

28. Select milk product with highest fat % :

- (A) Cream (B) Butter
(C) Ghee (D) Ice cream

29. Father of white revolution :

- (A) Dr. M.S. Swaminathan (B) Louis Pasteur
(C) Dr. Varghese kurien (D) Gail Borden

30. Width of manger in intensive housing system :

- (A) 75 cm (B) 75 m
(C) 1.5 m (D) 1.5 cm

31. Buffalo breed with sickle shaped horn :

- (A) Murrah (B) Surti
(C) Jaffrabadi (D) Kashmiri

32. Which of the following milk has same standard as toned milk?

- (A) Standardised milk (B) Cow milk
(C) Recombined milk (D) Goat milk

33. Cream containing 65-85% milk fat :

- (A) Plastic cream (B) Whipping cream
(C) Table cream (D) Light cream

34. Freezing point of cow milk is :
- (A) 0.55°C (B) 0°C
(C) -0.55°C (D) 0.50°C
35. Bi-axis pricing system of milk is based on :
- (A) Fat (B) SNF
(C) Volume (D) Fat and SNF
36. Lactation length of cow :
- (A) 305 days (B) 205 days
(C) 280 days (D) 250 days
37. Overrun in butter is caused by :
- (A) moisture (B) curd
(C) salt (D) all of these
38. Maximum solubility index for spray dried whole milk powder is :
- (A) 15 (B) 2
(C) 85 ml (D) 98.5 ml
39. Irradiated milk is the milk in which Vitamin _____ content has been increased.
- (A) Vitamin A (B) Vitamin B
(C) Vitamin C (D) Vitamin D
40. Developed or real acidity of milk is due to :
- (A) casein (B) citrates
(C) lactic acid (D) none of these
41. Concentrates are feed stuffs containing :
- (A) less than 18% crude fibre (B) more than 18% crude fibre
(C) 18% crude fibre (D) none of these
42. A legume fodder tree :
- (A) Cow pea (B) Stylosanthes
(C) Subabool (D) Congosignal

43. Peak yield (milk production) of cow is reached after _____ days of calving.
- (A) 30 – 90 days (B) 80 – 100 days
(C) 70 – 100 days (D) none of these
44. Casein constitutes about _____% of total milk protein.
- (A) 8% (B) 18%
(C) 80% (D) 20%
45. Which of these are not a platform test?
- (A) Lactometer (B) COB
(C) Fat test (D) Alcohol test
46. Ageing temperature of cream during manufacture of butter :
- (A) 5 – 10°C (B) 20 – 22°C
(C) –23 to –29°C (D) –4°C
47. Minimum sugar content in sweetened condensed milk (PFA Standard) :
- (A) 26% (B) 31
(C) 9% (D) 40%
48. Worlds highest milk producing nation :
- (A) USA (B) India
(C) Australia (D) England
49. Milk letting down hormone :
- (A) Adrenalin (B) Prolactin
(C) Oxytocin (D) Progesterone
50. Which method of milking cause injury to teats?
- (A) Thumbing (B) Fisting
(C) Stripping (D) All of these
51. Normal specific gravity of cow milk :
- (A) 1.030 – 1.032 (B) 1.028 – 1.03
(C) 1.28 – 1.3 (D) 1.3 – 1.32

52. Pasteurised milk should be stored at :
- (A) 0°C (B) 5°C or above
(C) 10°C (D) 5°C or below
53. Body temperature of cattle :
- (A) 101.5° F (B) 103.5° F
(C) 102.6° F (D) 107.2° F
54. The longest part of oestrus cycle :
- (A) Oestrus (B) Pro-oestrus
(C) Dioestrus (D) Metoestrus
55. Srikhand is prepared from :
- (A) Dahi (B) Chhana
(C) Khoa (D) none of these
56. Which of the stabilizer is animal origin?
- (A) sodium alginate (B) gelatin
(C) Agar agar (D) CMC
57. Moisture content in milk powder (PFA standard) :
- (A) Maximum 5% (B) Minimum 5%
(C) Maximum 0.5 (D) Minimum 0.5
58. Adulteration of ghee with Vanaspati can be detected by :
- (A) Phytosterol acetate test (B) Baudouin test
(C) B.R. Reading (D) R.M. Value test
59. Sandesh is prepared from :
- (A) Khoa (B) Chhanna
(C) Paneer (D) Peda
60. Milk marketing in Kerala is done by :
- (A) KLDB (B) Dairy Development Department
(C) Animal Husbandry Department (D) KCMMF

61. By product of cheese preparation is :
- (A) skim milk (B) whey
(C) butter milk (D) none of these
62. Agmark Red Label ghee contains free fatty acid (% oleic acid) :
- (A) not more than 2.5 (B) not more than 1.4
(C) less than 2.5 (D) less than 1.4
63. A soft cheese :
- (A) Cheddar cheese (B) Brick cheese
(C) Cottage cheese (D) Swiss cheese
64. PFA standard of standardized milk :
- (A) fat % (minimum) 4.5 & SNF (minimum) 8.5%
(B) fat % (minimum) 4.5 & SNF (minimum) 9%
(C) fat % (minimum) 3% & SNF (minimum) 8.5%
(D) fat % (minimum) 5% & SNF (minimum) 9%
65. Example for a sanitiser :
- (A) Nitric acid (B) Caustic soda
(C) Steam (D) Washing soda
66. When milk is adulterated with water the specific gravity will :
- (A) increase (B) decrease
(C) remain same (D) none of these
67. According to PFA rules minimum fat % in cows milk in Kerala is :
- (A) 3.5% (B) 4%
(C) 5% (D) 3%
68. Leech test is used to detect presence of _____ in milk.
- (A) Formalin (B) Hydrogen peroxide
(C) Starch (D) None of these

69. Fermentation of cream with desirable starter cultures is called:
- (A) neutralization of cream (B) pasteurization of cream
(C) ripening of cream (D) vacreation of cream
70. During the manufacture of butter for long storage cream acidity should be reduced to _____%.
- (A) 0.6 – 0.8% (B) 0.06 – 0.08%
(C) .25 – .30% (D) .025 – .03%
71. Temperature of liquid nitrogen (used for freeze branding) :
- (A) –79°C (B) –196°C
(C) –195°C (D) –75°C
72. A milch breed of cattle :
- (A) Kankrej (B) Sindhi
(C) Hallikar (D) Ongole
73. The grass that can be cultivated in water logged area :
- (A) Guinea grass (B) Congo signal
(C) Para grass (D) Napier
74. Best method of fodder preservation in rainy season :
- (A) hay (B) straw
(C) silage (D) none of these
75. Minimum dry period requirement of a cow :
- (A) 90 days (B) 80 days
(C) 70 days (D) 60 days
76. Normal specific gravity of cow milk :
- (A) 1.03 – 1.032 (B) 1.028 – 1.03
(C) 1.28 – 1.3 (D) 1.3 – 1.32
77. Pasteurised milk should be stored at :
- (A) 0°C (B) 5°C or below
(C) 10°C (D) 5°C or above

78. Milk samplers may be :
- (A) sampling dipper (B) sampling tube
(C) automatic vacuum (D) all of these
79. Yogurt is a _____ milk product.
- (A) fermented (B) fat rich
(C) dried (D) none of these
80. Kerala was included in the _____ stage of operation flood.
- (A) first (B) second
(C) third (D) none of these
81. The first producer oriented milk co-operative society in India was registered in :
- (A) Kerala (B) Bangalore
(C) Haryana (D) Gujarat
82. How much concentrate should be given to a cow weighing 250 Kg and producing 10 litre of milk with 4% fat. (Plenty of green grass available)?
- (A) 1 kg (B) 5 kg
(C) 3 kg (D) 4 kg
83. The pigment responsible for yellowish colour of cow milk :
- (A) annatto (B) chlorophyll
(C) carotein (D) none of these
84. Select the odd one out:
- (A) Lecithin (B) Cephalin
(C) Sphingomylin (D) Cholestrol
85. The mineral present in milk only in trace quantity is :
- (A) calcium (B) iron
(C) sodium (D) magnesium

86. Temperature and time for UHT heat treatment of milk :
- (A) 63°C for 30 minutes
 (B) 72°C for 15 seconds
 (C) 120°C for 15 minutes
 (D) 135°C for fraction of a second
87. Minimum milk fat percentage in ice-cream (PFA) :
- (A) 15 (B) 10
 (C) 25 (D) 36
88. In centrifugal method of cream separation cream moves towards :
- (A) centre (B) periphery
 (C) bottom (D) none of these
89. Which of the following can be added to butter as colouring matter?
- (A) diacetyl (B) chlorophyll
 (C) xanthophylls (D) annatto
90. Storage of cheese for atleast for 2-3 months at given low temperature (0 – 6°C) is called :
- (A) drying (B) pressing
 (C) curing (D) paraffining
91. Which of the following is not a accessory sex gland of a bull?
- (A) epididymis (B) seminal vesicle
 (C) prostate gland (D) cowper's gland
92. A dual purpose breed :
- (A) kangayam (B) gir
 (C) hallikar (D) haryana
93. Which of the following is milk sugar?
- (A) fructose (B) glucose
 (C) sucrose (D) lactose

94. MBRT reduction time for poor quality milk :
- (A) 5hr and above (B) 1/2hr and above
(C) 1hr and 2hr (D) 3hr and 4hr
95. Which method of identification cannot be used in white coloured animals :
- (A) tattooing (B) chemical branding
(C) hot iron branding (D) freeze branding
96. When land is available in plenty, which method of rearing is most suitable?
- (A) free range system (B) semi intensive system
(C) intensive housing (D) head to head system
97. Which among the following is the exotic breed producing milk with highest fat %?
- (A) HF (B) Sindhi
(C) Brown Swiss (D) Jersey
98. Product prepared using both khoa and chhanna :
- (A) pantoa (B) sandesh
(C) rasamalai (D) chhanna murki
99. How many days sterilized milk can be kept at room temperature, so that it is fit for human consumption?
- (A) minimum 1 day (B) minimum 10 days
(C) minimum 7 days (D) minimum 9 days
100. Hardening temperature of ice cream :
- (A) 0 to -4°C (B) -4 to -5°C
(C) -10 to -7°C (D) -23 to -29°C
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SPACE FOR ROUGH WORK

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