

PROVISIONAL ANSWER KEY

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Question1:-Pick out the correct match :

- A:-Fundamental Rights - United Kingdom
- B:-Fundamental Duties - United States
- C:-Directive Principles of States Policy - Ireland
- D:-Five Year Plan - Germany

Correct Answer:- Option-C

Question2:-Consider the following and

Which of the below was made through the `10^(th)` amendment Indian Constitution ?

- A:-Incorporation of Dadra, Nagar and Haveli as a Union Territory
- B:-Formation of State of Nagaland
- C:-Abolition of Privy Purse
- D:-Formation of Sikkim State

Correct Answer:- Option-A

Question3:-Which of the following amendment of Indian Constitution abolished Election Tribunals ?

- A:-`14^(th)` Amendment of 1962
- B:-`19^(th)` Amendment of 1966
- C:-`21^(st)` Amendment of 1967
- D:-`24^(th)` Amendment of 1971

Correct Answer:- Option-B

Question4:-Termination of a sitting of the House without any definite date being fixed for the next sitting is known as

- A:-Adjournment of the debate
- B:-Adjournment of the House
- C:-Crossing the floor
- D:-Adjournment sine die

Correct Answer:- Option-D

Question5:-Which among the following is the correct order in which the above words appear in Preamble of Constitution of India ?

- A:-Sovereign, Socialist, Secular, Democratic
- B:-Socialist, Secular, Sovereign, Democratic
- C:-Democratic, Socialist, Sovereign, Secular
- D:-Secular, Sovereign, Democratic, Socialist

Correct Answer:- Option-A

Question6:-'Imperfect' is the autobiography of an Indian Cricketer. Identify the cricketer.

- A:-Sunil Gavaskar
- B:-Kapil Dev
- C:-Sanjay Manjrekar
- D:-Rahul Dravid

Correct Answer:- Option-C

Question7:-The Central Drug Research Institute - CDRI is located in

- A:-Delhi
- B:-Lucknow
- C:-Kochi
- D:-Mumbai

Correct Answer:- Option-B

Question8:-The Chairman of the committee constituted by the Election Commission of India to suggest changes to Section 126 of the Representation of the People Act, 1951 in view of social media expansion ?

- A:-Indrajit Gupta
- B:-Nagendra Singh
- C:-T. Swaminathan

D:-Umesh Sinha

Correct Answer:- Option-D

Question9:-The first woman lawyer recommended by the Supreme Court Collegium to be promoted directly as a judge of the Supreme Court

A:-Justice R. Bhanumathi

B:-G. Rohini

C:-Manjula Chellur

D:-Indu Malhotra

Correct Answer:- Option-D

Question10:-Identify the theme of the `22^(nd)` National Youth Festival 2018.

A:-Youth for Digital India

B:-India Youth for Skill, Development and Harmony

C:-Sankalp Se Siddhi

D:-Celebrating Diversity

Correct Answer:- Option-C

Question11:-The 2018 World Hindi Day is observed on which date ?

A:-January 7

B:-January 10

C:-January 5

D:-January 12

Correct Answer:- Option-B

Question12:-Who won the Globe Soccer Award for Best Player 2017 ?

A:-Cristiano Ronaldo

B:-Lionel Messi

C:-Louis Suarez

D:-Zinedine Zidane

Correct Answer:- Option-A

Question13:-In which of the following North Eastern States you can find the Nyishi Tribe ?

A:-Tripura

B:-Meghalaya

C:-Sikkim

D:-Arunachal Pradesh

Correct Answer:- Option-D

Question14:-The largest jute producing state in India

A:-West Bengal

B:-Uttarpradesh

C:-Gujarat

D:-Madhya Pradesh

Correct Answer:- Option-A

Question15:-The person elected three times as the President of Indian National Congress

A:-Jawaharlal Nehru

B:-Gopal Krishna Gokhale

C:-Dadabhai Naoroji

D:-Bal Gangadhar Tilak

Correct Answer:- Option-C

Question16:-Identify the correct match :

A:-Vaikom Satyagraha - A. G. Velayudhan

B:-Paliyam Satyagraha - C. Kesavan

C:-Guruvayur Satyagraha - Col. Munro

D:-Shanar Agitation - T. K. Madhavan

Correct Answer:- Option-B

Question17:-The newspaper 'Rajyasamacharam' is associated with

A:-Arnos Pathiri

B:-Benjamin Bailey

C:-Herman Gundert

D:-Rev Mead

Correct Answer:- Option-C

Question18:-Identify the person :

- First person who made mirror consecration in South India.
- Ayyavazhi is his dharmic belief system.
- Akhila Thiruttu is one of his publications.

A:-Vaikunda Swamikal

B:-Ayyankali

C:-Markuriakose Elias Chavara

D:-V. T. Bhattathirippad

Correct Answer:- Option-A

Question19:-Who is known as the Jhansi Rani of Travancore ?

A:-A. V. Kuttimalu Amma

B:-Ammu Swaminathan

C:-Arya Pallam

D:-Accamma Cheriyan

Correct Answer:- Option-D

Question20:-Identify the author of 'Prachina Malayalam'.

A:-Vaghbhatananda

B:-Chattampi Swamikal

C:-Sree Narayana Guru

D:-Ayyankali

Correct Answer:- Option-B

Question21:-_____ is the primary milk protein.

A:-Casein

B:-Whey protein

C:-Lysine

D:-Agrinine

Correct Answer:- Option-A

Question22:-_____ is the primary milk carbohydrate.

A:-Fructose

B:-Sucrose

C:-Galactose

D:-Lactose

Correct Answer:- Option-D

Question23:-Name one exotic milch breed of cattle.

A:-Gir

B:-Jersey

C:-Red Sindhi

D:-Deoni

Correct Answer:- Option-B

Question24:-_____ is the causative organism of haemorrhagic septicemia.

A:-Bacillus anthracis

B:-Pseudomonosis

C:-Pasturellamultocida

D:-E.coli

Correct Answer:- Option-C

Question25:-Which one is the variety of guinea grass ?

A:-Riverdale

B:-Marathakam

C:-Makueni

D:-All the above

Correct Answer:- Option-D

Question26:-For long term preservation, pH of silage should be maintained between _____ and _____

A:-3.8-4.2

B:-5-5.5

C:-5.5-6.0

D:-6.0-7.0

Correct Answer:- Option-A

Question27:-Average gestation period of cow is _____ days.

A:-145-155 days

B:-250-265 days

C:-272-284 days

D:-300-310 days

Correct Answer:- Option-C

Question28:-Ideal time for doing artificial insemination in cow

A:-Beginning of oestrus

B:-End of prooestrus

C:-12 hrs. after the end of oestrus

D:-12 hrs. after the beginning of oestrus

Correct Answer:- Option-D

Question29:-Dry matter consumption of cattle is _____ % of their body weight.

A:-2.5-3%

B:-5-7%

C:-1-2%

D:-3-5%

Correct Answer:- Option-A

Question30:-According to PFA standards cow milk should contain _____ % fat and _____ % SNF.

A:-5 and 9

B:-3.5 and 8.5

C:-1.5 and 9

D:-3 and 9

Correct Answer:- Option-B

Question31:-According to PFA standard total plate count should be less than _____

A:-30,000 C.F.U. per gm

B:-50,000 C.F.U. per gm

C:-1,00,000 C.F.U. per gm

D:-70,000 C.F.U. per gm

Correct Answer:- Option-A

Question32:-The process of sub-dividing fat globules in order to prevent cream layer formation is called _____

A:-Condensation

B:-Pasteurization

C:-Homogenization

D:-Drying of milk

Correct Answer:- Option-C

Question33:-_____ is produced when butter is made by churning cream or whole milk curd.

A:-Ghee residue

B:-Buttermilk

C:-Skim milk

D:-Whey

Correct Answer:- Option-B

Question34:-Which one is the coagulated milk product ?

A:-Paneer

B:-Rasogolla

C:-Channa

D:-All the above

Correct Answer:- Option-D

Question35:-In cattle ovulation occurs approximately _____ hours after the end of oestrus.

A:-36-48 hours

B:-24-36 hours

C:-10-12 hours

D:-20-30 hours

Correct Answer:- Option-C

Question36:-Ideal intercalving interval in cattle is _____

A:-12-15 months

B:-15-18 months

C:-24 months

D:-18-24 months

Correct Answer:- Option-A

Question37:-Gestation length of buffalo

A:-310-315 days

B:-270-285 days

C:-240-250 day

D:-290-300 days

Correct Answer:- Option-A

Question38:-Activation of lactoperoxidase system can increase keeping quality of

A:-Pasteurized milk is enhanced to seven weeks at refrigeration

B:-Raw milk is enhanced by 7 days at refrigeration

C:-Raw milk up to 7 hours at room temperature

D:-Pasteurized milk is enhanced to seven days at refrigeration

Correct Answer:- Option-C

Question39:-The yoghurt is produced by fermentation of milk by

A:-Lactobacillus bulgaricus

B:-Streptococcus cremoris

C:-Streptococcus thermophilus

D:-1) and 3)

Correct Answer:- Option-D

Question40:-Swelling of the can is caused primarily by

A:-Gas forming aerobic spore formers

B:-Gas forming anaerobic spore formers

C:-Both 1) and 2)

D:-None of these

Correct Answer:- Option-B

Question41:-Brown colour in milk may result from

A:-Lactobacillus bulgaricus

B:-Pseudomonas syncyanea

C:-Serratia sp.

D:-Pseudomonas putrefaciens

Correct Answer:- Option-D

Question42:-Sub-clinical mastitis in cattle can be diagnosed by increase in _____

A:-pH

B:-Chloride

C:-Somatic cell count

D:-All the above

Correct Answer:- Option-D

Question43:-FSSAI standard for fat and SNF in double toned milk

A:-4.5 and 8.5

B:-3.0 and 8.5

C:-1.5 and 9.0

D:-5 and 9.0

Correct Answer:- Option-C

Question44:-Fodder variety suitable for water logged area

A:-Guinea grass

B:-Hybrid napier

C:-Para grass

D:-Setaria

Correct Answer:- Option-C

Question45:-Period from the date of calving to the date of next conception

A:-Service period

B:-Dry period

C:-Lactation period

D:-Inter calving period

Correct Answer:- Option-A

Question46:-Phospholipid present in milk

A:-Lecithin

B:-Sphingomyelin

C:-Cephalin

D:-All the above

Correct Answer:- Option-D

Question47:-Yellow colour of cow milk due to

- A:-Vitamin A
- B:-Chlorophyll
- C:-Carotene
- D:-Bilirubin

Correct Answer:- Option-C

Question48:-Rancidity of milk can be prevented by

- A:-Inactivation of lipase enzyme by pasteurization
- B:-Storage of milk below 5°C
- C:-Avoiding overheating of milk
- D:-Avoid mixing of late lactation milk

Correct Answer:- Option-A

Question49:-Average freezing point depression of bulk cow milk

- A:-0.503°C
- B:-0.530°C
- C:-0.570°C
- D:-0.621°C

Correct Answer:- Option-B

Question50:-The natural bacteriostatic effect of fresh milk lasts up to

- A:-12 hrs.
- B:-9 hrs.
- C:-6 hrs.
- D:-3 hrs.

Correct Answer:- Option-D

Question51:-Temperature-time combination of High Temperature Short Time (HTST) method of milk pasteurization

- A:-70°C for 15 seconds
- B:-72°C for 15 seconds
- C:-70°C for 15 minutes
- D:-72°C for 15 minutes

Correct Answer:- Option-B

Question52:-The most recently identified pathogen transmitted through contaminated milk is

- A:-Brucellamelitensis
- B:-Yersinia enterocolitica
- C:-Escherichia coli O157 : H7
- D:-Mycobacterium tuberculosis

Correct Answer:- Option-C

Question53:-The type of immunoglobulin present in the colostrum

- A:-IgA
- B:-IgG
- C:-IgM
- D:-IgE

Correct Answer:- Option-A

Question54:-In alcohol-alizarin test, milk with good heat stability develop the colour

- A:-Lilac or pale red
- B:-Purple
- C:-Reddish brown
- D:-Brownish yellow to yellow

Correct Answer:- Option-A

Question55:-Desinfecting action of chlorine is mainly due to

- A:-Hypochlorous acid
- B:-Free chlorine
- C:-None of the above
- D:-Hypochlorite ion

Correct Answer:- Option-D

Question56:-Antimicrobial substance present in fresh raw milk is

- A:-Lactoferrin
- B:-Lactanin
- C:-Lipase
- D:-Lysozyme

Correct Answer:- Option-C

Question57:-One Kg straw can replace _____ Kg grass on dry matter basis.

A:-4-5 Kg

B:-10 Kg

C:-6-8 Kg

D:-1-2 Kg

Correct Answer:- Option-A

Question58:-National Dairy Development Board was established during

A:-1969

B:-1968

C:-1962

D:-1965

Correct Answer:- Option-D

Question59:-The time-temperature combinations used for producing sterilized milk are

A:-100°C and 15 min.

B:-145°C and 3 sec.

C:-72°C and 15 sec.

D:-72°C and 15 min.

Correct Answer:- Option-B

Question60:-The Digestible Crude Protein (DCP) level of calf starter

A:-14-16%

B:-16-18%

C:-Above 20%

D:-10-20%

Correct Answer:- Option-C

Question61:-Daily per capita milk consumption recommended by the Medical Authorities is

A:-280 g

B:-220 g

C:-180 g

D:-200 g

Correct Answer:- Option-A

Question62:-A toxic factor present in subabul

A:-Oxalates

B:-Saponin

C:-Mimosine

D:-Nitrate

Correct Answer:- Option-C

Question63:-Pizza is prepared from _____ cheese.

A:-Roquefort

B:-Mozzarella

C:-Cheddar

D:-Emmental

Correct Answer:- Option-B

Question64:-Organism that causes surface taints in butter

A:-Alcaligenesmetacaligenes

B:-E.Coli

C:-Enterobacteraerogenes

D:-Pseudomonas putrefaciens

Correct Answer:- Option-D

Question65:-The spores of _____ organism can withstand Ultra-High Temperature (UHT) treatment.

A:-Bacillus stearothermophilus

B:-Bacillus subtilis

C:-Bacillus pumilus

D:-Bacillus licheniformis

Correct Answer:- Option-A

Question66:-Which immunoglobulin is responsible for milk allergy ?

A:-IgG

B:-IgM

C:-IgE

D:-IgA

Correct Answer:- Option-C

Question67:-The High Temperature Short Time (HTST) pasteurization is fixed based on the thermal resistance of which organism ?

- A:-Mycobacterium tuberculosis
- B:-Coxiellaburnetti
- C:-Brucellamelitensis
- D:-Bacillus stearothermophilus

Correct Answer:- Option-B

Question68:-Which enzyme in milk is inactivated by pasteurization and an indicator pasteurization ?

- A:-Lactase
- B:-Lactoperoxidase
- C:-Alkaline Phosphatase
- D:-All the above

Correct Answer:- Option-C

Question69:-Ideal time for vaccination against haemorrhagic septicaemia in cattle

- A:-April-May
- B:-June-July
- C:-Aug.-Sept.
- D:-Dec.-Jan.

Correct Answer:- Option-A

Question70:-Mode of transmission of FMD virus

- A:-Trans placental
- B:-Ingestion
- C:-Contact
- D:-Inhalation

Correct Answer:- Option-D

Question71:-Diseases transmitted through milk is referred as

- A:-Horizontal
- B:-Ingestion
- C:-Vertical
- D:-Inhalation

Correct Answer:- Option-C

Question72:-Life span of spermatozoa in the female reproductive tract

- A:-12 hrs.
- B:-24 hrs.
- C:-48 hrs.
- D:-36 hrs.

Correct Answer:- Option-B

Question73:-Enzyme used for cold sterilization of milk

- A:-Alkaline phosphatase
- B:-Rennet
- C:-Amylase
- D:-Lacto peroxidase

Correct Answer:- Option-B

Question74:-Desirable property of a sanitizer

- A:-Quick acting
- B:-Non-corrosive to hand and equipment
- C:-Non-toxic
- D:-All the above

Correct Answer:- Option-D

Question75:-_____ is used to prevent the formation of large ice crystals in ice cream.

- A:-Emulsifier
- B:-Stabilizer
- C:-Sugar
- D:-Milk fat

Correct Answer:- Option-B

Question76:-According to PFA rules level of emulsifier in ice cream should not exceed

- A:-0.75%
- B:-1%

C:-1.5%

D:-0.5%

Correct Answer:- Option-D

Question77:-_____ is considered as half cream or coffee cream.

A:-Cream with 35-40% fat content

B:-Cream with 10-18% fat content

C:-Whipping cream

D:-None of the above

Correct Answer:- Option-B

Question78:-Feed material than can be included as energy source in cattle feed

A:-Tapioca starch waste

B:-Maize powder

C:-Cotton seed cake

D:-All the above

Correct Answer:- Option-D

Question79:-FSSAI recommendation for fat in ice cream should not be less than _____

A:-30%

B:-10%

C:-20%

D:-15%

Correct Answer:- Option-B

Question80:-By-product produced during the manufacture of cream

A:-Whey

B:-Butter milk

C:-Skim milk

D:-Ghee residue

Correct Answer:- Option-C

Question81:-Most of the food borne outbreaks associated with consumption of soft cheese have been reported to be caused by

A:-Yersinia enterocolitica

B:-Listeria monocytogenes

C:-Staphylococcus aureus

D:-Pseudomonas putrefaciens

Correct Answer:- Option-B

Question82:-Special type of feeding arranged during early lactation in cattle

A:-Challenge feeding

B:-Flushing

C:-Grazing

D:-None of the above

Correct Answer:- Option-A

Question83:-Ideal body weight of the crossbreed cattle of Kerala at the time of first breeding

A:-150 Kg

B:-220 Kg

C:-200 Kg

D:-180 Kg

Correct Answer:- Option-D

Question84:-A platform test for accepting milk at collection and chilling centre

A:-Ten-minute resazurin test

B:-Alizarin alcohol test

C:-Clot on boiling test

D:-All the above

Correct Answer:- Option-D

Question85:-pH of mastitis milk is

A:-Acidic

B:-Neutral

C:-Alkaline

D:-Highly acidic

Correct Answer:- Option-C

Question86:-Name one frozen milk product

- A:-Kulfi
- B:-Burfi
- C:-Basundi
- D:-Dhahi

Correct Answer:- Option-A

Question87:-Gas production in fermented milk is due to _____ bacteria.

- A:-Streptococcus
- B:-Clostridium
- C:-Lactobacillus
- D:-E.Coli

Correct Answer:- Option-D

Question88:-Summer mastitis is caused by

- A:-Streptococcus dysagalactae
- B:-Staphylococcus aureus
- C:-Corynebacterium pyogenes
- D:-E.Coli

Correct Answer:- Option-A

Question89:-Residual antibiotics in milk can be detected by

- A:-RIA method
- B:-Delvotest-P
- C:-Penzyme test
- D:-All of the above

Correct Answer:- Option-D

Question90:-The permitted preservative for ghee is

- A:-BHA
- B:-Potassium sorbate
- C:-Nisin
- D:-Hydrogen peroxide

Correct Answer:- Option-A

Question91:-Functional property of a detergent

- A:-Wetting
- B:-Penetration
- C:-Dissolving
- D:-All the above

Correct Answer:- Option-D

Question92:-Eijkmans test is used for

- A:-Detecting the presence of inhibitory substances in milk
- B:-Assessing the efficiency of sterilization
- C:-Differentiating faecal coliforms from non-faecal coliforms
- D:-Identifying proteolytic psychrotrophs

Correct Answer:- Option-C

Question93:-Tyndallisation is a method of sterilization for

- A:-Sterilizing media containing thermolabile constituents
- B:-Destroying the spore formers
- C:-Both 1) and 2)
- D:-None of the above

Correct Answer:- Option-C

Question94:-Sweet curdling in pasteurised milk occurs due to

- A:-B.cereus
- B:-Micrococcus
- C:-Clostridium
- D:-None

Correct Answer:- Option-A

Question95:-Gelatin is used as _____ in ice cream preparation.

- A:-Emulsifier
- B:-Promotion of ageing
- C:-Stabilizer
- D:-All the above

Correct Answer:- Option-C

Question96:-Milk feeding schedule of calves during the first month.

A:-1/5th of body weight

B:-1/10th of body weight

C:-1/20th of body weight

D:-1/30th of body weight

Correct Answer:- Option-B

Question97:-Black quarter in cattle is caused by

A:-Clostridium chauvoei

B:-Clostridium tetani

C:-Clostridium botulinum

D:-Clostridium perfringens

Correct Answer:- Option-A

Question98:-Black spots in cheese is due to

A:-Aspergillusflavus

B:-Clostridium

C:-Aspergillusniger

D:-All the above

Correct Answer:- Option-C

Question99:-Causative organism of Q-fever

A:-Coxeillaburnettii

B:-Streptococcus uberis

C:-Brucellaabortus

D:-Microbacterium tuberculosis

Correct Answer:- Option-A

Question100:-The toxin released by Cl.botulinum affect mainly

A:-Nervous system

B:-Respiratory system

C:-Cardiovascular system

D:-Digestive system

Correct Answer:- Option-D