

FINAL ANSWER KEY

Question Paper Code: 12/2015/OL
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- Question1:-'Vala Samudaya Parishkarani Sabha' is connected with ?
 A:-Ayyankali
 B:-Vaikunda Swami
 C:-Pandit K P Karuppan
 D:-Vagbhadanandan
 Correct Answer:- Option-C
- Question2:-Who was selected as 'the Player of the series' of 2015 ICC World Cup?
 A:-Mitchell Starc
 B:-James Faulkner
 C:-Mitchell Johnson
 D:-Tim Southee
 Correct Answer:- Option-A
- Question3:-The Idea of Directive Principles was borrowed by India from?
 A:-USA
 B:-Ireland
 C:-Canada
 D:-Germany
 Correct Answer:- Option-B
- Question4:-Domestic Violence Act was passed in the year?
 A:-2008
 B:-2007
 C:-2005
 D:-2006
 Correct Answer:- Option-C
- Question5:-The Magazine 'Bhashaposhini' is associated with?
 A:-C Krishnan
 B:-Kumaran Assan
 C:-K Sukumaran
 D:-Kandathil Varghese Mappillai
 Correct Answer:- Option-D
- Question6:-The first exclusive educational satellite of India?
 A:-METSAT
 B:-EDUSAT
 C:-MOM
 D:-APPLE
 Correct Answer:- Option-B
- Question7:-The term 'Socialist and Secular' were added to the Preamble of Indian Constitution through Amendment?
 A:-73rd Amendment
 B:-86th Amendment
 C:-42nd Amendment
 D:-24th Amendment
 Correct Answer:- Option-C
- Question8:-The first state which fixed minimum educational qualification to contest for Panchayath polls?
 A:-Rajasthan
 B:-Madhyapradesh
 C:-Haryana
 D:-Punjab
 Correct Answer:- Option-A
- Question9:-Choose the right option in connection with Temple Entry Proclamation?
 A:-1936 December 11
 B:-1936 March 12
 C:-1936 November 11
 D:-1936 November 12
 Correct Answer:- Option-D
- Question10:-The father of the Cartoon 'Common man' ?
 A:-Sankar
 B:-MF Hussain
 C:-RK Laxman
 D:-Gopikrishna
 Correct Answer:- Option-C
- Question11:-The Article which abolishes Untouchability?
 A:-Article 17
 B:-Article 19
 C:-Article 14
 D:-Article 15
 Correct Answer:- Option-A
- Question12:-Which day is observed as 'Pravasi Baratiya Divas' ?
 A:-March 12
 B:-November 11
 C:-October 24
 D:-January 9
 Correct Answer:- Option-D
- Question13:-Who was the author of 'Pattabakki', the first political drama in Kerala?
 A:-TC Achuthamenon
 B:-K Damodaran
 C:-PK Kocheepan Tharakan
 D:-CV Raman Pillai
 Correct Answer:- Option-B
- Question14:-The Article 16 of Indian Constitution guarantees?
 A:-Prohibits human trafficking
 B:-Prohibits Child Labour
 C:-Equality of opportunity in matters of public employment
 D:-Environmental Protection
 Correct Answer:- Option-C
- Question15:-Which of the following Committee is associated with Fundamental Duties?
 A:-Ashok Mehta Committee
 B:-Balwant Rai Mehta Committee
 C:-LM Singhvi Committee
 D:-Swaran Singh Committee
 Correct Answer:- Option-D
- Question16:-Who wrote 'Samkshepa Vedartham' ?
 A:-Clement Piani
 B:-Van Rheede
 C:-George Mathan
 D:-Herman Gundert
 Correct Answer:- Option-A
- Question17:-Mahatma Gandhi National Rural Employment Guarantee Act aims to provide at least ?
 A:-100 days of wage employment in a Calendar year
 B:-100 days of wage employment in a financial year
 C:-100 days of wage employment in two years
 D:-100 days of free employment in two years
 Correct Answer:- Option-B

Question18:-Prof.Shantha Sinha is associated with ?

- A:-UNICEF
- B:-SEWA
- C:-KWC
- D:-NCPCR

Correct Answer:- Option-D

Question19:-The word 'Lokpal' was coined by ?

- A:-LM Singhvi
- B:-Asokee Kumar Sen
- C:-Morarji Desai
- D:-Jawaharlal Nehru

Correct Answer:- Option-A

Question20:-International Wmen's Day?

- A:-February 8
- B:-March 8
- C:-May 8
- D:-October 8

Correct Answer:- Option-B

Question21:-Which among the following contain 65-85 percent milk fat

- A:-Table cream
- B:-Whipping cream
- C:-Heavy cream
- D:-Plastic cream

Correct Answer:- Option-D

Question22:-The viscosity of the cream can be increased by

- A:-Double stage homogenization
- B:-Fast cooling of cream
- C:-Ageing of cream
- D:-Decreasing the fat percentage

Correct Answer:- Option-C

Question23:-Feathering in hot coffee is due to defect in cream caused by

- A:-Excessive homogenization pressure
- B:-Excess heating of cream during pasteurization
- C:-Fat hydrolysis due to lipase action
- D:-Growth of proteolytic bacteria in cream

Correct Answer:- Option-A

Question24:-In Swiss cheese making, the lactic acid bacteria convert lactose to lactic acid, which in turn is used by propioni bacteria to produce propionic acid. this is an example for

- A:-Synergism
- B:-Probiosis
- C:-Metabiosis
- D:-Antibiosis

Correct Answer:- Option-C

Question25:-The production of gas in canned dairy products cause bulging of cans and it can be caused by

- A:-Candida pseudotropicalis
- B:-Escherichia coli
- C:-Clostridium butyricum
- D:-All the above

Correct Answer:- Option-D

Question26:-If the standard plate count per milliliter of raw milk is in the range of 2,00,000 to 1 million, the grade recommended by Indian Standards Institution is

- A:-Very good
- B:-Good
- C:-Fair
- D:-Poor

Correct Answer:- Option-B

Question27:-Which among the following is lower in buffalo milk as compared to cow milk

- A:-pH
- B:-Viscosity
- C:-Curd tension
- D:-Rennet clotting time

Correct Answer:- Option-D

Question28:-Which among the following khoa based sweet is prepared by mixing khoa with maida in about 3:1 ratio

- A:-Burfi
- B:-Gulabjamun
- C:-Kalakand
- D:-Peda

Correct Answer:- Option-B

Question29:-Which among the following has the highest sweetening power

- A:-Fructose
- B:-Sucrose
- C:-Maltose
- D:-Lactose

Correct Answer:- Option-A

Question30:-The area of the tongue with more sensitivity for sweetness is

- A:-Tip of the tongue
- B:-Middle of the tongue
- C:-Back of the tongue
- D:-Edges of the tongue

Correct Answer:- Option-A

Question31:-Which of the following is a cultivar of guinea grass

- A:-Jawahar
- B:-Hamil
- C:-Rahuri
- D:-Gajraj

Correct Answer:- Option-B

Question32:-The multipurpose fodder tree species commonly used for live fencing in Kerala

- A:-Gliricidia
- B:-Sesbania grandiflora
- C:-Calliandra calothyrsus
- D:-Hedge lucerne

Correct Answer:- Option-A

Question33:-Which of the following is a annual grass

- A:-Buffel grass
- B:-Gamba grass
- C:-Setaria grass
- D:-Deenanath grass

Correct Answer:- Option-D

Question34:-Vijay composite is a cultivar of

- A:-Fodder Sorghum
- B:-Fodder Maize
- C:-Fodder Bajra
- D:-Hybrid Napier

Correct Answer:- Option-B

Question35:-Which of the following fodder can be cultivated in poorly drained land

- A:-Buffel grass
- B:-Gamba grass
- C:-Para grass
- D:-Guinea grass

Correct Answer:- Option-C

Question36:-Which of the following fodder crop is best suited for silage making

- A:-Fodder maize

- B:-Para grass
C:-Guinea grass
D:-Congo-signal grass
Correct Answer:- Option-A
- Question37:-The process of conversion of plant and animal residues to quickly utilizable form to improve and maintain soil fertility
A:-Manuring
B:-Composting
C:-Scarification
D:-Harrowing
Correct Answer:- Option-B
- Question38:-An important tropical pulse crop profitably grown as a summer crop in rice fallows in Kerala in rotation sequence
A:-Cow pea
B:-Alfalfa
C:-Berseem
D:-Cluster beans
Correct Answer:- Option-A
- Question39:-In hay making, the moisture content of the forage crop is reduced to
A:-5-10%
B:-15-20%
C:-25-35%
D:-40-50%
Correct Answer:- Option-B
- Question40:-The fertilizer or manure that has to be applied as top dressing after each harvest in cultivation of guinea grass
A:-Farmyard manure
B:-Nitrogen fertilizer
C:-Phosphorus fertilizer
D:-Potassium fertilizer
Correct Answer:- Option-B
- Question41:-The seed rate per hectare required for establishment of maize by dibbling
A:-10-30 Kg
B:-40-60 Kg
C:-90-110 Kg
D:-130-150 Kg
Correct Answer:- Option-B
- Question42:-The type of cleaning agent most suitable for rubber parts in dairy equipments
A:-Strong alkalies
B:-Weak alkalies with sodium silicate as inhibitor
C:-Weak alkalies with sodium sulphite as inhibitor
D:-Weak acids
Correct Answer:- Option-A
- Question43:-Egg solids can be added as an ingredient in ice-cream manufacture to
A:-Improve stabilization
B:-Improve whipping ability
C:-Improve emulsification
D:-Improve fat content
Correct Answer:- Question Cancelled
- Question44:-Which of the following help in predicting the shelf life of ghee
A:-Polenske number
B:-Kirschner value
C:-Saponification number
D:-Induction period for oxygen absorption
Correct Answer:- Option-D
- Question45:-Which is a synergist that significantly increase the activity of primary anti-oxidants
A:-Ascorbic acid
B:-Butylated hydroxy anisole
C:- β - carotene
D:-Butylated hydroxy toluene
Correct Answer:- Option-A
- Question46:-Bluish grey or brownish milk can be due to proliferation of which bacteria in milk
A:-Streptococcus lactis
B:-Serratia marcescens
C:-Pseudomonas synchyanea
D:-Micrococcus reuses
Correct Answer:- Option-C
- Question47:-Bitter flavour in milk can be due to proliferation of
A:-Escherichia coli
B:-Streptococcus lactis
C:-Micrococcus species
D:-Yeast
Correct Answer:- Option-C
- Question48:-Paneer manufactured using citric acid as coagulant give
A:-Good flavour
B:-Higher guminess
C:-Higher chewiness
D:-Maximum hardness
Correct Answer:- Option-D
- Question49:-The anti-fungal agent that can be used to control surface spoilage of paneer
A:-Sodium alginate
B:-Chlorinated water
C:-Disodium phosphate
D:-Trisodium phosphate
Correct Answer:- Option-B
- Question50:-The type of milk more suitable to produce channa which offers good rossogolla
A:-Milk with fat content below 3 percent
B:-Presence of colostrum milk
C:-Buffalo milk
D:-Mixture of 75% buffalo milk and 25% cows milk
Correct Answer:- Option-D
- Question51:-Which is not a rapid platform test performed for raw milk
A:-Direct microscopic count
B:-Clot on boiling test
C:-Standard plate count
D:-Titratable acidity
Correct Answer:- Option-C
- Question52:-Flat or insipid flavour in butter is due to
A:-Excess washing of butter granules
B:-Presence of lactic acid
C:-Presence of salt
D:-Presence of metal ions
Correct Answer:- Option-A
- Question53:-Hydrolytic rancidity in butter is due to
A:-Action of lipase on fat to produce free fatty acids
B:-Oxidation of unsaturated fatty acids
C:-Growth of moulds that convert fatty acids to ketones
D:-Breakdown of proteins by putrefactive organisms
Correct Answer:- Option-A
- Question54:-The prescribed microbiological standard for ice-cream as per Bureau of Indian Standards
A:-Standard Plate Count per gram not more than 2,00,000
B:-Colliform count per gram not more than 90
C:-Standard Plate Count per gram not more than 1,50,000

- D:-Coliform count per gram not more than 70
Correct Answer:-**Question Cancelled**
- Question55:-The optimal temperature for growth of lactic starters like Streptococcus lactis is
A:-20-27°C
B:-27-32°C
C:-32-37°C
D:-37-42°C
Correct Answer:- Option-B
- Question56:-The purity of starter culture can be tested using
A:-Horrell-Elliker test
B:-Creatine test
C:-Resazurin reduction time test
D:-Catalase test
Correct Answer:- Option-D
- Question57:-The type of yoghurt produced after fermentation in bulk and coagulum is broken prior to cooling
A:-Set yoghurt
B:-Stüred yoghurt
C:-Concentrated yoghurt
D:-Dried yoghurt
Correct Answer:- Option-B
- Question58:-The freezing point of cow milk is
A:-0.555°C
B:-0.560°C
C:-0.575°C
D:-0.588°C
Correct Answer:- Option-A
- Question59:-The bound water in milk is
A:-50% held by casein, 30% by albumin and 20% by globulin
B:-50% held by casein and 50% by albumin and globulin
C:-50% held by casein and 30% by albumin and globulin
D:-50% held by casein, 20% by albumin and 30% by globulin
Correct Answer:- Option-C
- Question60:-Sandy texture defect in ice-cream is due to
A:-High lactose
B:-Temperature fluctuation
C:-Long storage
D:-All the above
Correct Answer:- Option-D
- Question61:-Which vitamin is essential for the health and normal functioning of epithelial tissue in animal body
A:-Vitamin A
B:-Vitamin D
C:-Vitamin E
D:-Vitamin K
Correct Answer:- Option-A
- Question62:-Which of the following major element is needed for blood clotting and tissue excitability
A:-Sodium
B:-Chlorine
C:-Calcium
D:-Potassium
Correct Answer:-**Question Cancelled**
- Question63:-An intimate mixture of concentrates and roughages fed to cattle in the desired proportion is called
A:-Challenge feeding
B:-Complete feeding
C:-Least cost feeding
D:-Phase feeding
Correct Answer:- Option-B
- Question64:-Which of the following is essential for proper rumen fermentation leading to acetic acid production
A:-Fat soluble vitamins
B:-Water soluble vitamins
C:-Crude fibre
D:-Crude fat
Correct Answer:- Option-C
- Question65:-The cationic detergent used as an effective dairy sanitizer is
A:-Bleaching powder
B:-Quaternary ammonium compounds
C:-Washing soda
D:-Caustic soda
Correct Answer:- Option-B
- Question66:-Which of the following is a water soluble vitamin
A:-Vitamin A
B:-Vitamin C
C:-Vitamin D
D:-Vitamin E
Correct Answer:- Option-B
- Question67:-Foot and Mouth disease is a
A:-Bacterial disease
B:-Fungal disease
C:-Metabolic disease
D:-Viral disease
Correct Answer:- Option-D
- Question68:-A feed which contains higher level of primary nutrients, and less crude fibre and low moisture is called
A:-Concentrate
B:-Pasture
C:-Legume
D:-Roughage
Correct Answer:- Option-A
- Question69:-Which of the following is not a symptom of heat in dairy cows
A:-Restlessness
B:-Mounting other cows
C:-Bloody discharge from vulva
D:-Frequent bellowing
Correct Answer:- Option-C
- Question70:-The udder of a good dairy cow should be
A:-Long and narrow
B:-Symmetrical, round and hard on palpation
C:-Smooth, well collapsed after milking and pendulous
D:-Wide and deep, and extend well up behind
Correct Answer:-**Question Cancelled**
- Question71:-The buffalo breed indigenous to Nilgiri hills in Tamilnadu
A:-Bhadawari
B:-Toda
C:-Murrah
D:-Mehsana
Correct Answer:- Option-B
- Question72:-The fat content of milk in general increase in
A:-Final strippings from the udder
B:-Indigenous breeds as compared to exotic breeds
C:-More roughage portion in diet
D:-All the above
Correct Answer:- Option-D

- Question73:-Which method is not recommended in hand milking
A:-Dry hand milking
B:-Stripping
C:-Full hand milking
D:-Knuckling
Correct Answer:- Option-D
- Question74:-The metal portion of the milking machine that houses the rubber liner inside with space between to alternate the pressure by connecting to air hose
A:-Teat cup shell
B:-Teat cup claw
C:-Pulsator
D:-Bucket
Correct Answer:- Option-A
- Question75:-The Indian breed of cattle with long pendulous ears resembling a curled leaf is
A:-Sahiwal
B:-Red Sindhi
C:-Gir
D:-Deoni
Correct Answer:- Option-C
- Question76:-Which is not true with regard to colostrum
A:-It contains large amounts of gammaglobulins
B:-It contain more total protein than whole milk
C:-It contain more fat than whole milk
D:-It gives a laxative effect
Correct Answer:- Option-C
- Question77:-Which of the following exotic cattle breed was not used in the cross-breeding programme in Kerala
A:-Ayrshire
B:-Jersey
C:-Brown Swiss
D:-Holstein Friesian
Correct Answer:- Option-A
- Question78:-The act of stopping the lactation of a cow in preparation for her next lactation is
A:-Flushing
B:-Grading up
C:-Steaming up
D:-Drying off
Correct Answer:- Option-D
- Question79:-Which is the buffalo breed from Uttar Pradesh
A:-Jaffarabadi
B:-Murrah
C:-Bhadawari
D:-Nagpuri
Correct Answer:- Option-C
- Question80:-The normal respiration rate per minute in dairy cow is
A:-15-20
B:-25-30
C:-35-40
D:-55-60
Correct Answer:-**Question Cancelled**
- Question81:-When the steam contains moisture in suspension, it is called
A:-Dry saturated steam
B:-Dry steam
C:-Wet steam
D:-Super heated steam
Correct Answer:- Option-C
- Question82:-Which of the following is false with regard to a refrigerant
A:-Refrigerant should not decompose at any temperature normally encountered
B:-Refrigerant should possess high thermal conductivity
C:-The electrical resistance of a refrigerant is important
D:-Liquid and vapour refrigerant should have high viscosity
Correct Answer:- Option-D
- Question83:-A large increase in deposit formation during milk processing can be expected
A:-If preheating milk to temperatures between 65-90°C
B:-If building up a back pressure
C:-If β -lactoglobulin is added
D:-If pH value is lowered from 6.8 to 6.4
Correct Answer:- Option-D
- Question84:-The type of corrosion that occurs when two different metals are in contact in the presence of a conductive solution
A:-Pitting corrosion
B:-Inter-granular corrosion
C:-Galvanic corrosion
D:-Crevice corrosion
Correct Answer:- Option-C
- Question85:-Which of the following packaging material can be used in a wide temperature range of -50°C to +150°C and has impermeability to odours
A:-Polyester
B:-Polyamide
C:-Polythene
D:-Polycarbonate
Correct Answer:- Option-A
- Question86:-The type of evaporation in which the process cost is reduced by reducing the steam consumption
A:-Multiple effect evaporator
B:-Plate evaporator
C:-Circulation evaporator
D:-Horizontal tube evaporator
Correct Answer:- Option-A
- Question87:-Which of the following is not true in the case of drum drying
A:-Drum drying requires less space than spray drying
B:-The flavour of the product is not affected by drum drying
C:-Alloy steel and nickel plate steel can be used as a material of construction
D:-The solubility of the product is much lower in drum drying
Correct Answer:- Option-B
- Question88:-The storage temperature needed for Cheddar cheese is
A:-1°C
B:-4°C
C:-20°C
D:-26°C
Correct Answer:-**Question Cancelled**
- Question89:-The minimum level of illumination required in the laboratory of a dairy plant
A:-20 W/m²
B:-29 W/m²
C:-13 W/m²
D:-41 W/m²
Correct Answer:- Option-D
- Question90:-The insulating material known as super insulation in air conditioning industry which can be used for a temperature range of -200°C to +120°C
A:-Fibre glass
B:-Foam glass
C:-Magnesia
D:-Urethane
Correct Answer:- Option-D
- Question91:-The average air change in meters per change required for good ventilation in dairy processing rooms
A:-1-3

B:-2-5
C:-6-10

D:-none of the above

Correct Answer:- Option-B

Question92:-Which is not true with regard to Casein

- A:-The main sugar in casein is sialic acid
- B:-Casein contains all essential amino acids
- C:- α and β casein are soluble at isoelectric point
- D:-Casein contains 0.78% sulphur

Correct Answer:- Option-C

Question93:-Which is not true in case of hydrolyzed lactose

- A:-The solubility of hydrolyzed lactose increases up to 60 g/100 ml of water
- B:-Hydrolyzed lactose is a syrup with a dry matter content of about 70 percent
- C:-Hydrolysis of lactose decreases its sweetening power by almost two times
- D:-There will be more browning in use of hydrolyzed lactose

Correct Answer:- Option-C

Question94:-Which of the following method is not used in determining the lactose content

- A:-Polarimetric method
- B:-Chromatographic method
- C:-Rose-Gottlieb method
- D:-Picric acid method

Correct Answer:- Option-C

Question95:-The Central Institute for research on cattle is located in

- A:-Meerut
- B:-Lucknow
- C:-Avikanagar
- D:-Karnal

Correct Answer:- Option-A

Question96:-Indian Grassland and Fodder research institute is located in

- A:-Hyderabad
- B:-Nagpur
- C:-Jhansi
- D:-Lucknow

Correct Answer:- Option-C

Question97:-The audio autobiography of Dr. Varghese Kurien

- A:-The man who made the Elephant dance
- B:-I too had a dream
- C:-An unfinished dream
- D:-The Man with the billion litre idea

Correct Answer:- Option-A

Question98:-The deficiency of which of the trace mineral can lead to anaemia

- A:-Iron
- B:-Copper
- C:-Cobalt
- D:-All the above

Correct Answer:- Option-D

Question99:-Which of the following hormone provide the stimulus which lead to parturition

- A:-Prolactin
- B:-Progesterone
- C:-Cortisol
- D:-Thyroxine

Correct Answer:- Option-C

Question100:-The floor space required for a cow in the covered area of a loose house

- A:-12 m²
- B:-8.5 m²
- C:-5 m²
- D:-3.5 m²

Correct Answer:- Option-D