

PROVISIONAL ANSWER KEY

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Question1:-The words 'Unity and integrity of Nation' in the preamble was substituted for the word 'Unity of Nation' by

- A:-42nd` `Amendment
- B:-44th Amendment
- C:-40th Amendment
- D:-41st Amendment

Correct Answer:- Option-A

Question2:-According to Constitution of India,the executive power of the Union is vested in

- A:-Parliament
- B:-Primeminister
- C:-President
- D:-Chief Justice of India

Correct Answer:- Option-C

Question3:-Directive Principle of State policy are contained in

- A:-Part IV from Art. 42-51
- B:-Part IV from Art. 36-51
- C:-Part V from Art.50-63
- D:-Part VI from Art. 36-51

Correct Answer:- Option-B

Question4:-Which of the following Article be amended by simple majority

- A:-Art. 4
- B:-Art.169(3)
- C:-Art. 239A
- D:-All above

Correct Answer:- Option-D

Question5:-Under Art. 14 the state shall not deny to any person

- A:-Equality before the law
- B:-Equal protection of the law
- C:-Both Option 1 & 2
- D:-None

Correct Answer:- Option-C

Question6:-Which part is described as Magnacarta of Indian Constitution

- A:-Part III
- B:-Part II
- C:-Part IV A
- D:-Part V

Correct Answer:- Option-A

Question7:-Art. 29 and 30 deals with

- A:-Religious Freedom
- B:-Right to life and liberty
- C:-Right against exploitation
- D:-Cultural and Educational right

Correct Answer:- Option-D

Question8:-Which of the following Article deals with amendment of the constitution

- A:-362
- B:-368
- C:-367
- D:-363

Correct Answer:- Option-B

Question9:-Nirmal Gram Puraskar is related with

- A:-sanitation

- B:-environment
- C:-unemployment
- D:-food production

Correct Answer:- Option-A

Question10:-Protection of children from sexual offenses act came in to force on

- A:-November 14,2013
- B:-November 14,2011
- C:-November 14,2012
- D:-November 14,2014

Correct Answer:- Option-C

Question11:-In August 2012 the Govt. of Kerala started the deceased donor transplantation programme captioned

- A:-Amrutham
- B:-Santhwanam
- C:-Jeevani
- D:-Mruthasanjeevani

Correct Answer:- Option-D

Question12:-Atma Vidya Sangam in 1917 was founded by

- A:-Sree Narayana Guru
- B:-Vagbhatananda
- C:-Brahmananda Shivayogi
- D:-Chattampi Swamiakal

Correct Answer:- Option-B

Question13:-'Samatva Samajam' was founded by

- A:-Vaikunta Swami
- B:- Vagbhatananda
- C:-Brahmananda Shivayogi
- D:-Sahodaran Ayyappan

Correct Answer:- Option-A

Question14:-Who was the editor of 'Mitavadi',Calicut

- A:-Kumaranasan
- B:-A. Ayyappan
- C:-C.Krishnan
- D:-T.K.Madhavan

Correct Answer:- Option-C

Question15:-Chattampi Swamikal attained Samadhi at

- A:-Chempazhanti
- B:-Kannanmoola
- C:-Sivagiri
- D:-Panmana

Correct Answer:- Option-D

Question16:-In 1907 Ayyankali founded

- A:-SNDP Yogam
- B:-Sadhu Jana Paripalana Yogam
- C:-Nair Service Society
- D:-Yogakshema Sabha

Correct Answer:- Option-B

Question17:-The novel 'Premamrutam' was written by

- A:-C.V.Raman Pillai
- B:-K.M.Panikkar
- C:-Chandu Menon
- D:-P Kesavadev

Correct Answer:- Option-A

Question18:-The drama ' Balabalam' was written by

- A:- V. T.Bhattatiripad
- B:-M.P.Bhattatiripad
- C:-N.Krishna Pillai
- D:-K.Damodaran

Correct Answer:- Option-C

Question19:-The 'Al Amin' started publication from Calicut in October 1924 under the editorship of

- A:-S.K.Pottekkat
 - B:-Vaikom Muhammed Basheer
 - C:-Vakkom Abdul Khadir Maulavi
 - D:-Muhammed Abdur Rahiman
- Correct Answer:- Option-D

Question20:-Who was the first President of Nair Service Society

- A:-Mannath Padmanabhan
 - B:-K.Kelappan
 - C:-K.Paramu Pillai
 - D:-Panangattu Keshava Panikkar
- Correct Answer:- Option-B

Question21:-As per Indian Standards, only..... welding shall be done for all joints in stainless steel for construction of a milk silo

- A:-Arc
 - B:-TIG
 - C:-MIG
 - D:-Plasma welding
- Correct Answer:- Option-B

Question22:-..... pump is commonly used in dairy plants as a CIP return pump for cleaning solution that contains large amounts of air.

- A:-Centrifugal pump
 - B:-Mono pump
 - C:-Piston pump
 - D:-Liquid ring pump
- Correct Answer:- Option-D

Question23:-If the moisture content of a food product on wet basis is 50%, the dry moisture content of the product is.....

- A:-25%
 - B:-50%
 - C:-100%
 - D:-200%
- Correct Answer:- Option-C

Question24:-The theory applied for centrifugal separation of milk fat is

- A:-Stokes law
 - B:-Recknageal Phenomenon
 - C:-Ohm's law
 - D:-All of these
- Correct Answer:- Option-A

Question25:-Milk is deficient in content

- A:-Iron
 - B:-Iodine
 - C:-Copper
 - D:-All of these
- Correct Answer:- Option-D

Question26:-..... type of koha is used for preparing Kalakand

- A:-Pindi
 - B:-Dhap
 - C:-Danedar
 - D:-mixture of 1 and 2
- Correct Answer:- Option-C

Question27:-Name the stabilizer used in ice cream that requires no ageing of mix

- A:-Gelatin
 - B:-Carageenan
 - C:-Guar gum
 - D:-Sodium alginate
- Correct Answer:- Option-D

Question28:-Spheroplasts are related to organisms

- A:-Gram positive
- B:-Gram Negative
- C:-Acid Fast

D:-Eukaryotic

Correct Answer:- Option-B

Question29:-Mare milk is used for the preparation of the acid alcoholic product.....

A:-Kefir

B:-Koumiss

C:-Villi

D:-Kishk

Correct Answer:- Option-B

Question30:-In cheese making process rennet act on the k-casein at and positions

A:-104-105

B:-105-106

C:-106-107

D:-102-103

Correct Answer:- Option-B

Question31:-The Gerber sulphuric acid should have a densityat 15 degree C

A:-1.820

B:-1.762

C:-1.801

D:-1.782

Correct Answer:- Option-A

Question32:-Bakers yeast is

A:-Saccharomyces boulardii

B:-Saccharomyces cerevisiae

C:-Saccharomyces florentinus

D:-Saccharomyces bayanus

Correct Answer:- Option-B

Question33:-..... is a measure of volatile water soluble fatty acids

A:-RM Value

B:-Polenske Value

C:-Peroxide value

D:-Iodine value

Correct Answer:- Option-A

Question34:-Koestler number of cow milk ranges from

A:-1.5-3.0

B:-2.0-3.5

C:-1.0-1.5

D:-3.0-4.0

Correct Answer:- Option-A

Question35:-The typical agitation system used for bulk milk coolers is a agitator

A:-Propeller

B:-Turbine

C:-Paddle

D:-High Shear

Correct Answer:- Option-C

Question36:-A homogenizer pump is usually a pump

A:-Centrifugal

B:-Rotary

C:-Screw

D:-Piston

Correct Answer:- Option-D

Question37:-Which is not in the category of probiotic dahi available in Indian market

A:-Nestle Actiplus

B:-Mother dairy b-active

C:-Yakult

D:-Amul pro life

Correct Answer:- Option-C

Question38:-The fluidized bed in which the air bubbles are approximately the same size as the solid particles

A:-Slugging bed

B:-Spouting Bed

C:-Channelling Bed

D:-Boiling bed

Correct Answer:- Option-D

Question39:-In Baird parker Agar, the compound responsible for black colouration of Staphylococcus aureus colonies is

A:-Tellurite

B:-Hydrogen Sulphide

C:-Aesculin

D:-All of the above

Correct Answer:- Option-A

Question40:-The holding time in an HTST pasteurizer can be determined by.....

A:-Phospatase test

B:-Dye reduction test

C:-Dye injection method

D:-Stop watch method

Correct Answer:- Option-C

Question41:-Most commonly used packaging material for fluid milk.

A:-glass bottle

B:-Pet bottle

C:-LDPE-LLDPE co-polymer

D:-Waxed carton

Correct Answer:- Option-C

Question42:-The indicator organism used in the microbial inhibition test (IDF) used for the determination of antibiotic residues in raw milk and in heat-treated milk

A:-Bacillus stearothermophilus var. calidolactici

B:-Bascillus stearothermophilus

C:-Bacillus cereus

D:-Bacillus cereus var. mycoides

Correct Answer:- Option-A

Question43:-..... is the principal NPN component in milk which is strongly related with the heat stability.

A:-Casein

B:-Urea

C:-Ammonia

D:-creatine

Correct Answer:- Option-B

Question44:-..... stains are used for negative staining

A:-Positively Charged

B:-Acidic

C:-Basic

D:-Neutral

Correct Answer:- Option-B

Question45:-..... is the product prepared from whey

A:-Mysost

B:-Casein

C:-Lassi

D:-Casein Hydrolysate

Correct Answer:- Option-A

Question46:-..... is an example for instantization system

A:-Blow Knox process

B:-Alfa Laval process

C:-Stassinisation

D:-Rohn's process

Correct Answer:- Option-A

Question47:-Maximum residual limit (MRL) recommended by FDA for Aflatoxin M1 in milk is

A:-50µg/kg

B:-5µg/kg

C:-0.5µg/kg

D:-0.05µg/kg

Correct Answer:- Option-C

Question48:-The average calorific value of cow milk isC/100g

- A:-75
- B:-100
- C:-185
- D:-500

Correct Answer:- Option-A

Question49:-Six sigma permits defects per million opportunities

- A:-3.4
- B:-34
- C:-4.3
- D:-3.5

Correct Answer:- Option-A

Question50:-The amount of moisture in a food at the end of the constant rate period of drying

- A:-Water activity
- B:-Equilibrium moisture content
- C:-Critical Moisture Content
- D:-Equilibrium Relative Humidity

Correct Answer:- Option-C

Question51:-SAMSOE means

- A:-Whey based product
- B:-Scandinavian milk product
- C:-Low fat dairy product
- D:-Hard ripened cheese

Correct Answer:- Option-D

Question52:-In FSSAI, categories of microbiological quality have been assigned based on the microbiological parameters

- A:-Two
- B:-Three
- C:-Four
- D:-None of above

Correct Answer:- Option-B

Question53:-The method of pasteurization carried out in the tubular heat exchanger with three concentrated tubes

- A:-Uperization
- B:-Vacreation
- C:-Stassinization
- D:-Flash pasteurization

Correct Answer:- Option-A

Question54:-SS-304 contains% Nickel

- A:-8
- B:-10
- C:-18
- D:-20

Correct Answer:- Option-A

Question55:-In a cream separator the angle of inclination of disk to the horizontal is

- A:-0-30 degree
- B:-30 - 45 degree
- C:-45 - 60 degree` `
- D:-60 - 90 degree

Correct Answer:- Option-C

Question56:-The most heat stable protein in milk is

- A:-casein
- B:-lactalbumin
- C:-lysozyme
- D:-lactoferrin

Correct Answer:- Option-A

Question57:-Fritz process is associated with

- A:-Ice cream freezing
- B:-Butter making
- C:-Cheese Making

D:-Yoghurt setting

Correct Answer:- Option-B

Question58:-Which among the following is a prebiotic

A:-Saccharin

B:-Inulin

C:-Lanolin

D:-Vanillin

Correct Answer:- Option-B

Question59:-Bactericidal efficiency of sanitizers can be found out using

A:-Capacity test

B:-Suspension test

C:-Both A and B

D:-None of these

Correct Answer:- Option-C

Question60:-Which among the following is a radioimmuno assay technique

A:-Delvo test

B:-Moseley test

C:-Charm test

D:-Nitrate reduction test

Correct Answer:- Option-C

Question61:-.....is a short chain fatty acid which give characteristic flavor to milk fat.

A:-Stearic acid

B:-Butyric acid

C:-Oleic acid

D:-None of the above

Correct Answer:- Option-B

Question62:-In a spray dryer having a drying efficiency of 60%, if the air inlet temperature is 200 degree C and the atmospheric temperature is 35 degree C; then the outlet air temperature =

A:-85 degree C

B:-99 degree C

C:-101 degree C

D:-120 degree C

Correct Answer:- Option-C

Question63:-Beriberi is a disease caused by the deficiency of Vitamin.....

A:-Thiamin

B:-Cholecalciferol

C:-Vitamin K

D:-Niacin

Correct Answer:- Option-A

Question64:-In a roller drier, the speed of the drum is around rpm

A:-14-19

B:-50-60

C:-100-150

D:-0-5

Correct Answer:- Option-A

Question65:-Air velocities of about is used in pneumatic power conveying systems for transporting milk powder.

A:-5 m/s

B:-20 m/s

C:-5km/hr

D:-20 km/hr

Correct Answer:- Option-B

Question66:-Which among the following genera produce D lactate

A:-Lactococcus

B:-Leuconostoc

C:-Streptococcus

D:-Bifidobacterium

Correct Answer:- Option-B

Question67:-Which among the following pathogens is not mentioned in the microbiological parameters of butter as per FSSAI

- A:-Listeria
- B:-Yersinia
- C:-E.coli
- D:-Salmonella

Correct Answer:- Option-B

Question68:-..... is the major unsaturated fatty acid present in milk fat

- A:-Stearic Acid
- B:-Palmitic Acid
- C:-Oleic acid
- D:-Linoleic

Correct Answer:- Option-C

Question69:-Industrial production of citric acid is achieved by the inhibition of enzyme in the TCA cycle

- A:-Aconitase
- B:-Phosphofructokinase
- C:-Glucose oxidase
- D:-Lactase

Correct Answer:- Option-A

Question70:-The velocity of raw milk in pipes should not be greater than m/s to avoid damage to the fat globules

- A:-0.5
- B:-1.5
- C:-2.5
- D:-5.0

Correct Answer:- Option-B

Question71:-Majority of fat in whole milk powder is present as

- A:-Free form
- B:-Globular
- C:-Emulsion
- D:-Suspension

Correct Answer:- Option-B

Question72:-Bluish green color of ghee is due to

- A:-Bilirubin
- B:-Biliverdin
- C:-Both
- D:-None of these

Correct Answer:- Option-C

Question73:-Vieth ratio is

- A:-lactose : protein : ash
- B:-protein : lactose : ash
- C:-lactose : ash : protein
- D:-Protein : ash : Lactose

Correct Answer:- Option-A

Question74:-Buttery coconut flavour of ghee is due to

- A:-Methyketone
- B:-Fatty acids
- C:-Alcohol
- D:-Delta lactone

Correct Answer:- Option-D

Question75:-..... is used to avoid any risk of contamination of the pasteurized product by unpasteurized product or cooling medium

- A:-Flow Diversion Valve
- B:-Thermistor
- C:-Audio alarm
- D:-Booster pump

Correct Answer:- Option-D

Question76:-Cotton seed track ghee is low in

- A:-RM Value
- B:-Iodine Value
- C:-Saponification value

D:-Refractive index

Correct Answer:- Option-A

Question77:-Interspecies adulteration of milk is detected by

A:-ABR Test

B:-Scorch test

C:-Hansa test

D:-Chloride test

Correct Answer:- Option-C

Question78:-Salt content of casein micelle of bovine milk

A:-6%

B:-94%

C:-90%

D:-10%

Correct Answer:- Option-A

Question79:-Hardness of water is expressed as ppm of

A:-Magnesium Sulphate

B:-Calcium Sulphate

C:-Calcium Carbonate

D:-Calcium bicarbonate

Correct Answer:- Option-C

Question80:-Essential fatty acid present in milk fat

A:-oleic acid

B:-butyric acid

C:-Palmitic acid

D:-Linoleic acid

Correct Answer:- Option-D

Question81:-..... gives the specification for polyethylene in contact with food stuff

A:-IS:10146

B:-IS:10151

C:-IS:10142

D:-IS:13061

Correct Answer:- Option-A

Question82:-The minimum diameter of the green circle in the symbol for 'vegetarian food' is when the area of principal display panel is 200cm²

A:-3mm

B:-4mm

C:-6mm

D:-8mm

Correct Answer:- Option-B

Question83:-Which of the following is not an acidity regulator

A:-Calcium gluconate

B:-Calcium carbonate

C:-Calcium dihydrogenphosphate

D:-calcium hydroxide

Correct Answer:- Option-B

Question84:-Incubation temperature employed in Eijkmans test

A:-40.5± 0.2 degree C

B:-42.5± 0.2degree C

C:-44.5± 0.2degree C

D:-46.5± 0.2degree C

Correct Answer:- Option-C

Question85:-Moseley count is related to

A:-Detection of antibiotic residue

B:-Bacteriophage assay

C:-Evaluation of starter culture

D:-Shelf life test

Correct Answer:- Option-D

Question86:-Maximum permitted fat in low fat ice cream as per FSSAI

A:- 1.8%

B:- 2.0%

C:- 2.5%

D:- 3.0%

Correct Answer:- Option-C

Question87:-..... salt of methylene blue is used in MBRT

A:-Thiocyanate

B:-Chloride

C:-Sulphate

D:-Bisulphate

Correct Answer:- Option-A

Question88:-The amount of water vaporized per unit area of surface in a 4-effect evaporator is approximately of that in single effect

A:-25%

B:-50%

C:-100%

D:-200%

Correct Answer:- Option-A

Question89:-In an efficient moder pasteurisation plant,maximum refrigeration efficiency is

A:-75%

B:-85%

C:-95%

D:-100%

Correct Answer:- Option-C

Question90:-Maxilact used for accelerated cheese ripening is a enzyme

A:-Phospholipase

B:-Lactase

C:-Lipase

D:-Protease

Correct Answer:- Option-B

Question91:-A prion is responsible for

A:-Haverhill fever

B:-Q fever

C:-Creutzfeldt - Jakob disease

D:-Maltas fever

Correct Answer:- Option-C

Question92:-A bactofuge operates at an average rpm of

A:-5000

B:-10000

C:-20000

D:-50000

Correct Answer:- Option-C

Question93:-The permitted flavoring agent in butter is

A:-Acetaldehyde

B:-Diacetyl

C:-Annatto

D:-Carotene

Correct Answer:- Option-B

Question94:-Blue and white screening used for the selection of recombinant bacteria is based on the principle of α -complementation of the gene

A:- β - galactosidase

B:-Phosphoketolase

C:-aldolase

D:-aconitase

Correct Answer:- Option-A

Question95:-Based on the microbiological parameters, a product is categorized as potentially hazardous

A:-When values are less than m

B:-When values are less than M

C:-When more than n/c values are between m and M

D:-When more than c/n values are between m and M

Correct Answer:- Option-D

Question96:-Elements that transpose through an RNA intermediate

- A:-Plasmids
- B:-Retrotransposons
- C:-Cosmids
- D:-Fosmids

Correct Answer:- Option-B

Question97:-Malolactic fermentation is typical for fermentation

- A:-Beer
- B:-Citric acid
- C:-Wine
- D:-Acetic acid

Correct Answer:- Option-C

Question98:-..... fermentation is typical example for solid state fermentation

- A:-Citrate
- B:-Koji
- C:-Acidic
- D:-Alcoholic

Correct Answer:- Option-B

Question99:-The O antigen is present in the of Gram negative bacteria

- A:-Cytoplasm
- B:-Periplasm
- C:-Plasma membrane
- D:-Outer membrane

Correct Answer:- Option-D

Question100:-Based on the microbiological parameters, a product is categorized as potentially hazardous

- A:-When values are less than m
- B:-When values are less than M
- C:-More than n/c values are between m and M
- D:-More than c/n values are between m and M

Correct Answer:- Option-D