

National Testing Agency

Question Paper Name: Food Chemistry 10th November 2019 Shift 2
Subject Name: Food Chemistry
Creation Date: 2019-11-10 18:06:59
Duration: 180
Total Marks: 100
Display Marks: Yes

Food Chemistry

Group Number : 1
Group Id : 709597312
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 100

Food Chemistry

Section Id : 709597401
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 709597505
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 70959728447 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Lactose to lactic acid, this process is carried out by

- A. Lactobacillus
- B. Aspergillus
- C. Rhizobium
- D. Streptococcus

Question Number : 2 Question Id : 70959728448 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Browning of fruits is caused by

- A. Benzoquinone
- B. Malachite Green
- C. Sodium chloride
- D. Sucrose

Question Number : 3 Question Id : 70959728449 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Shelf life of a food substance can be increased by

- A. Increasing the amount of water
- B. Decreasing the amount of water
- C. Maintaining the water level of that food substance
- D. None of the options

Question Number : 4 Question Id : 70959728450 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cheese is made from

- A. Meat
- B. Fruits
- C. Milk
- D. Vegetables

Question Number : 5 Question Id : 70959728451 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The average BMI of an healthy individual is _____

- A. 19.5 kg/m²
- B. 21 kg/m²
- C. 16 kg/m²
- D. 27 kg/m²

Question Number : 6 Question Id : 70959728452 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In colorimetry a desired wavelength can be selected by

- A. Detector
- B. Amplifier
- C. Monochromator
- D. Cuvette

Question Number : 7 Question Id : 70959728453 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Chromatography was invented by _____

- A. Tswett
- B. Watson
- C. AJP martin
- D. Kary mullis

Question Number : 8 Question Id : 70959728454 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Frying of fats leads to

- A. Oxidation
- B. Reduction
- C. Hydrogenation
- D. Rancidity

Question Number : 9 Question Id : 70959728455 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the Following biomolecuels can replace fats for the source of energy _____

- A. Nucleic acids
- B. Vitamins
- C. Carbohydratres
- D. Minerals

Question Number : 10 Question Id : 70959728456 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Coconut oil is a **high in**

- A. W- 3 fatty acids
- B. W-6 fatty acids
- C. Saturated fatty acid
- D. Unsaturated fatty acid

Question Number : 11 Question Id : 70959728457 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Proteins are the polymers of _____

- A. Purines
- B. Fatty acids
- C. Sugars
- D. Amino acids

Question Number : 12 Question Id : 70959728458 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The characteristic bond found in the formation of secondary structure of protein is

- A. Amide bond
- B. Vanderwals force
- C. Hydrogen bond
- D. Phosphodiester bond

Question Number : 13 Question Id : 70959728459 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

All the essential amino acids are found in

- A. Rice
- B. Wheat
- C. Ragi
- D. Egg

Question Number : 14 Question Id : 70959728460 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The protein solubility is decreased due to

- A. Protein-protein interaction
- B. Protein-water interaction
- C. Protein-solvent interaction
- D. No interaction

Question Number : 15 Question Id : 70959728461 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Progel refers to _____ phase

- A. Solid
- B. Liquid
- C. Gel
- D. Viscous liquid

Question Number : 16 Question Id : 70959728462 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Vitamin D synthesis is influence by

- A. Water
- B. Ph
- C. Temperature
- D. Sunlight

Question Number : 17 Question Id : 70959728463 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The speed of migration of ions in an electric field depends on

- A. magnitude of charge and mass of molecules
- B. magnitude of charge and shape of molecules
- C. shape and size of the molecule
- D. magnitude of charge, shape and mass of molecules

Question Number : 18 Question Id : 70959728464 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Electrophoresis cell or electrophoresis apparatus consists of

- A. Power pack and electrophoresis unit
- B. Electrophoresis unit and DNA separator
- C. Buffer chamber and Elctrophoresis unit
- D. Gel, buffer chamber and power pack

Question Number : 19 Question Id : 70959728465 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which is the technique suited for the separation of large DNA fragments

- A. AGE
- B. PAGE
- C. PFGE
- D. SDS-PAGE

Question Number : 20 Question Id : 70959728466 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the role of SDS in SDS-PAGE?

- A. protein denaturing and imparting net negative charge
- B. Imparting overall negative charge to the protein
- C. Imparting equal mass to all proteins
- D. Protein unfolding and imparting net positive charge

Question Number : 21 Question Id : 70959728467 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The electrophoresis technique that used isoelectric focusing is

- A. AGE
- B. PFGE
- C. 2D-PAGE
- D. SDS-PAGE

Question Number : 22 Question Id : 70959728468 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Molar extinction co-efficient is the measure of the

- A. Amount of light adsorbed per unit length
- B. Amount of light reflected and adsorbed per unit concentration
- C. Amount of light absorbed per unit concentration
- D. All the options

Question Number : 23 Question Id : 70959728469 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following compounds does not absorb light in the UV/visible spectrum?

- A. Aspirin
- B. Paracetamol
- C. Chloral hydrate
- D. Phenobarbitone

Question Number : 24 Question Id : 70959728470 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In which region of the infrared spectrum would you expect to find a peak characteristic of a triple bond stretch?

- a) $4000 - 3000\text{cm}^{-1}$
- b) $2500 - 2000\text{cm}^{-1}$
- c) $2000 - 1500\text{cm}^{-1}$
- d) $1500 - 750\text{cm}^{-1}$

Question Number : 25 Question Id : 70959728471 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Structural polysaccharides include

- A. cellulose, hemicellulose and chitin
- B. cellulose, starch and chitin
- C. cellulose, starch and glycogen
- D. cellulose, glycogen and chitin

Question Number : 26 Question Id : 70959728472 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Amylopectin has

- A. β -1-4 and β -1-6 linkage
- B. β -1-2 linkage
- C. α -1-4 and α -1-6 linkage
- D. α -1-2 linkage

Question Number : 27 Question Id : 70959728473 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Starch consists of

- A. unbranched amylose and branched amylopectin
- B. branched amylose and branched amylopectin
- C. unbranched amylose and unbranched amylopectin
- D. none of these

Question Number : 28 Question Id : 70959728474 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A series of 3 coloured glass plates of equal thickness are placed in a light beam. Each sheet absorbs one quarter of the light incident upon it. What is the intensity of the light transmitted by the third glass plate?

- a) 1.56%
- b) 42.19%
- c) 56.25%
- d) 75.00%

Question Number : 29 Question Id : 70959728475 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Non-digestable carbohydrates in human is

- A. Starch
- B. Glycogen
- C. Maltose
- D. Cellulose

Question Number : 30 Question Id : 70959728476 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Carbon, hydrogen and oxygen ratio in carbohydrates is

- A. 2:2:1
- B. 1:2:2
- C. 1:2:1
- D. 1:2:2

Question Number : 31 Question Id : 70959728477 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following carbohydrate can't be broken down into simpler sugar unit?

- A. Maltose
- B. Maltotriose
- C. lactose
- D. Fructose

Question Number : 32 Question Id : 70959728478 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The hydrogenation of D-glucose leads to the formation of _____

- A. Mannitol
- B. Galactitol
- C. Xylitol
- D. Sorbitol

Question Number : 33 Question Id : 70959728479 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Browning reaction in sugars is known as _____

- A. Hydrogenation
- B. Acetylation
- C. vernalization
- D. Caramelization

Question Number : 34 Question Id : 70959728480 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In maillard reaction schiff's base is formed between a sugar and _____ amino acid of proteins

- A. Arginine
- B. Lysine
- C. Glycine
- D. Leucine

Question Number : 35 Question Id : 70959728481 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Concentrated fuel reserve of the body is _____

- A. Lipid
- B. Carbohydrates
- C. Protein
- D. Minerals

Question Number : 36 Question Id : 70959728482 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Fat is stored in specialized cells known as _____

- A. Myocytes
- B. Neurons
- C. Adipocytes
- D. Hepatocytes

Question Number : 37 Question Id : 70959728483 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Docosahexaenoic acid is a _____ fatty acid

- A. ω -3
- B. ω -5
- C. ω -6
- D. ω -9

Question Number : 38 Question Id : 70959728484 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Intake of high _____ Would lead to the risk of coronary heart disease.

- A. EPA
- B. DHA
- C. Cholestrol
- D. α -Linolenic acid

Question Number : 39 Question Id : 70959728485 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The most abundant form of fat in food is _____

- A. Diglycerides
- B. Monoglycerides
- C. Triglycerides
- D. Cholestrol

Question Number : 40 Question Id : 70959728486 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Lipids are soluble in _____

- A. Water
- B. Saline
- C. Benzene
- D. Sucrose solution

Question Number : 41 Question Id : 70959728487 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Lecithin is found in _____

- A. Milk
- B. Plants
- C. Rice
- D. Egg yolk

Question Number : 42 Question Id : 70959728488 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of double bonds in arachidonic acid is

- A. 3
- B. 4
- C. 2
- D. 5

Question Number : 43 Question Id : 70959728489 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

1 gm of fat gives _____ kcal.

- A. 4
- B. 6
- C. 9
- D. 12

Question Number : 44 Question Id : 70959728490 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Palmitic acid has ____ carbon atoms in its chain.

- A. 18
- B. 20
- C. 21
- D. 16

Question Number : 45 Question Id : 70959728491 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following has the highest melting point.

- A. Butyric acid
- B. Myristic acid
- C. Oleic acid
- D. Linolenic acid

Question Number : 46 Question Id : 70959728492 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Melting point is determined by ____ method.

- A. Chromatography
- B. Electrophoresis
- C. Open-tube capillary slip
- D. Titration

Question Number : 47 Question Id : 70959728493 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The specific gravity of fat is ____

- A. 1.0
- B. 0.86
- C. 0.1
- D. 0.68

Question Number : 48 Question Id : 70959728494 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is used in determining the peroxide value

- A. Sodium chloride
- B. SDS
- C. Potassium iodide
- D. Ethanol

Question Number : 49 Question Id : 70959728495 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The colour of smoke observed during determining the smoke point is

- A. Red
- B. Green
- C. Blue
- D. Black

Question Number : 50 Question Id : 70959728496 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The natural process of solid waste management is

- A. Landfill
- B. Incineration
- C. Dewatering
- D. All of these

Question Number : 51 Question Id : 70959728497 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The major gas released during aerobic degradation is

- A. CH₄
- B. CO₂
- C. CO
- D. H₂S

Question Number : 52 Question Id : 70959728498 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Poikilothermic organisms are referred to

- A. The organism whose internal temperature is constant
- B. Organisms with change in internal temperature
- C. Warm body temperature
- D. Cold body temperature

Question Number : 53 Question Id : 70959728499 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Syntrophobacter and Syntrophomonas are

- A. Hydrolytic fermentative bacteria
- B. Acetogenic bacteria
- C. Acetoclastic methanogens
- D. Hydrogenotrophic methanogens

Question Number : 54 Question Id : 70959728500 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Major factors that affect the rate of decomposition of the organic matter during composting

- A. oxygen
- B. moisture
- C. temperature
- D. All of these

Question Number : 55 Question Id : 70959728501 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The temperature shift during composting process is from

- A. Psychotrophic to mesophilic
- B. Mesophilic to thermophilic
- C. Thermophilic to mesophilic
- D. Thermophilic to psychotrophic

Question Number : 56 Question Id : 70959728502 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The E2 in NRC equation represents

- A. % efficiency in BOD removal of single stage or first stage of two-stage filter
- B. % efficiency of second stage filter
- C. % efficiency of third stage filter
- D. % efficiency of fourth stage filter

Question Number : 57 Question Id : 70959728503 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For single stage filters in Rankin's equation BOD of waste water should not exceed

- A. 2.5 kg BOD₅/day/m³ filter volume
- B. 1.2 kg BOD₅/day/m³ filter volume
- C. 2 kg BOD₅/day/m³ filter volume
- D. None of these

Question Number : 58 Question Id : 70959728504 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The only two chemical preservatives permitted under FPO-1955/FSSR - 2011 in the country in the country are

- A. Iodine and Sodium oxide
- B. Calcium carbonate and chlorine
- C. Hydrochloride and Iodine
- D. Sulphur dioxide and Benzoic Acid

Question Number : 59 Question Id : 70959728505 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the traditional method of pickling, the product is cured with

- A. Salt
- B. Sugar
- C. Oil
- D. Water

Question Number : 60 Question Id : 70959728506 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The process of removal of sulfur dioxide with the limestone slurry injection directly in to flue gas is called as

- A. Desulphurization
- B. Sulphurization
- C. Ammonification
- D. All the above

Question Number : 61 Question Id : 70959728507 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In surface vapor flux equation p_v , is

- A. Vapor flux
- B. Mass transfer coefficient
- C. Interfacial vapor concentration
- D. None of these

Question Number : 62 Question Id : 70959728508 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When vapour concentration difference is positive

- A. Vapour leaves the material and thus drying occurs
- B. Wetting occurs
- C. Humidification occurs
- D. None of these

Question Number : 63 Question Id : 70959728509 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Denitrification occurs in

- A. High rate filtration
- B. Low rate filter
- C. Slow sand filter
- D. Rapid sand filter

Question Number : 64 Question Id : 70959728510 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The BOD after the filtration of sewage from the low rate trickling filter is

- A. 40-50%
- B. 80-90%
- C. 70-80%
- D. 90-99%

Question Number : 65 Question Id : 70959728511 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The recirculation factor in a low rate trickling filter is

- A. 0
- B. 1
- C. 10
- D. 100

Question Number : 66 Question Id : 70959728512 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What plan should we make to the disposal of solid waste?

- A. Integrated waste management plan
- B. Recycling of waste management plan
- C. Reducing of waste management plan
- D. Use of waste management plan

Question Number : 67 Question Id : 70959728513 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following can be recycled multiple times?

- A. Plastic
- B. Wood
- C. Organic materials
- D. Aluminium

Question Number : 68 Question Id : 70959728514 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The taste buds are distributed within the _____ of the tongue

- A. Base
- B. Top
- C. Papillae
- D. Surface

Question Number : 69 Question Id : 70959728515 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which chemical is used for Fruity flavor?

- A. Allylpyrazine
- B. Acetyl-I-pyrazine
- C. Acetaldehyde
- D. 2-Isobutyl-3-methoxypyrazine

Question Number : 70 Question Id : 70959728516 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The E-numbers of the flavour enhancers mono sodium glutamate

- A. E621
- B. E636
- C. E630
- D. E601

Question Number : 71 Question Id : 70959728517 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

quinones is the essential pigment used to convert light into

- A. chemical energy
- B. electrical energy
- C. hydrolytic energy
- D. none of these

Question Number : 72 Question Id : 70959728518 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Lactose is _____

- a) Monosaccharide
- b) Oligosaccharide
- c) Disaccharide
- d) Polysaccharide

Question Number : 73 Question Id : 70959728519 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pick out the Benzopyran derivatives

- A. Anthocyanins
- B. purines
- C. phenoxazines
- D. phenazines

Question Number : 74 Question Id : 70959728520 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Flavonoids have the basic carbon skeleton of

- A. $C_6C_3C_6$
- B. $C_3C_6C_3$
- C. $C_6C_2C_6$
- D. $C_5C_3C_6$

Question Number : 75 Question Id : 70959728521 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Betalains belong to which group of chemical compounds?

- A. tetrapyrroles
- B. tetraterpenoids
- C. quinones
- D. N-heterocyclic compounds

Question Number : 76 Question Id : 70959728522 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Name the highest production of fruits in India

- A. Banana
- B. Citrus
- C. Papaya
- D. Mango

Question Number : 77 Question Id : 70959728523 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pick up the scientific name of watermelon

- A. *Citrullus vulgaris*
- B. *Anacardium occidenta*
- C. *Punica granatum*
- D. *Arachas sapota*

Question Number : 78 Question Id : 70959728524 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which vegetable has high Post harvest losses in India.

- A. Cauliflower
- B. Tomato
- C. cabbage
- D. potato

Question Number : 79 Question Id : 70959728525 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

name the method which are rapidly being adopted to reduce cost and to enable increased
mechanical harvesting

- A. sorting method
- B. selection method
- C. Bulk handling method
- D. Slicing

Question Number : 80 Question Id : 70959728526 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Partial de watering and direct formulation of fruit/vegetable juice can be obtained by immersing in the concentrated solution of salt or sugar. This process is known as

- A. Osmoregulation
- B. Osmotic diffusion
- C. Osmotic dehydration
- D. Osmolysis

Question Number : 81 Question Id : 70959728527 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Non protein substance of protein is called _____

- A. Cofactor
- B. co-enzyme
- C. Prosthetic group
- D. Apoprotein

Question Number : 82 Question Id : 70959728528 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The hydrogen bonding in a β -sheet is _____

- A. Intra strand
- B. well aligned
- C. Inter strand
- D. disrupted

Question Number : 83 Question Id : 70959728529 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Phenylalanine is an _____

- A. Basic amino acid
- B. acidic amino acid
- C. Aromatic amino acid
- D. neutral amino acid

Question Number : 84 Question Id : 70959728530 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Proteins are synthesized by a series of steps called _____

- A. Transcription
- B. Translation
- C. both A & B
- D. transduction

Question Number : 85 Question Id : 70959728531 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

High pressure liquid chromatography is _____ technique.

- A. Separation
- B. Novel
- C. Vacuum creating
- D. hi-tech

Question Number : 86 Question Id : 70959728532 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An ionic reaction in proteins promotes _____ interactions.

- A. Protein-protein
- B. protein-solvent
- C. Solvent-solvent
- D. protein-water

Question Number : 87 Question Id : 70959728533 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The uphill movement of a substance i.e movement from lower to higher concentration gradient with the expenditure of energy is referred as

- A. Passive diffusion
- B. Facilitated diffusion
- C. Active transport
- D. Osmosis

Question Number : 88 Question Id : 70959728534 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Scientists Dam, Karrer and co-workers worked towards isolation of which vitamin?

- A. Vitamin A
- B. Vitamin K
- C. Vitamin E
- D. Vitamin D

Question Number : 89 Question Id : 70959728535 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The richest sources of vitamin K is

- A. Impaired dark adaptation
- B. Poor brain growth and development
- C. Dark green leafy vegetables
- D. Gastrointestinal disorder

Question Number : 90 Question Id : 70959728536 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pick out the non-toxic mineral to our body.

- A. mercury
- B. lead
- C. cadmium
- D. Molybdenum

Question Number : 91 Question Id : 70959728537 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cakes have a water activity of _____

- A. 1.0
- B. 0.3
- C. 0.5
- D. >1.0

Question Number : 92 Question Id : 70959728538 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ food are more sensitive to moisture

- A. fried
- B. dried
- C. crystalline
- D. hygroscopic

Question Number : 93 Question Id : 70959728539 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Strongly bound water in foods is also known as _____ water

- A. weak water
- B. type I
- C. type II
- D. type III

Question Number : 94 Question Id : 70959728540 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If the substrate concentration in an enzyme catalyzed reaction is $0.5 K_m$, the initial velocity (V_0) of the reaction will be:

- A. $0.33 V_{max}$
- B. $0.44 V_{max}$
- C. $0.24 V_{max}$
- D. $0.55 V_{max}$

Question Number : 95 Question Id : 70959728541 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Ribozymes are

- A. Enzymes active near ribosomes units
- B. Enzymes which acts on ribose as substrates
- C. RNAs with catalytic activity
- D. Enzyme-RNA complex

Question Number : 96 Question Id : 70959728542 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Factors affecting the enzymatic activity are

- A. Temperature
- B. Moisture
- C. Ionic Strength
- D. All of these

Question Number : 97 Question Id : 70959728543 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Decreasing oxygen content, ... the rate of non-enzymatic browning

- A. Increases
- B. Decreases
- C. Stabilizes
- D. Diminishes

Question Number : 98 Question Id : 70959728544 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The activity of polyphenoloxidase is completely destroyed at

- A. 50 °C
- B. 10 °C
- C. 80 °C
- D. 70 °C

Question Number : 99 Question Id : 70959728545 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is Brix ?

- a) Fat content
- b) Protein content
- c) Mineral content
- d) Soluble solids content

Question Number : 100 Question Id : 70959728546 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

SWOT analysis includes understanding of Strengths, Weaknesses, Opportunities and _____

- A. Time
- B. temperature
- C. tension
- D. threats