

Question Paper Preview

Notations :

1. Options shown in green color and with ✓ icon are correct.
2. Options shown in red color and with ✗ icon are incorrect.

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| Question Paper Name: | Food Technology 30th May 2018 Shift2 |
| Subject Name: | Food Technology |
| Creation Date: | 2018-05-30 17:02:01 |
| Duration: | 120 |
| Total Marks: | 120 |
| Display Marks: | No |
| Calculator: | None |
| Magnifying Glass Required?: | No |
| Ruler Required?: | No |
| Eraser Required?: | No |
| Scratch Pad Required?: | No |
| Rough Sketch/Notepad Required?: | No |
| Protractor Required?: | No |

| | |
|------------------------------|-----|
| Display Number Panel: | Yes |
| Group All Questions: | No |

Question Number : 1 Question Id : 5113468761 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical

If $\begin{bmatrix} -3 & 2 \\ x & y \end{bmatrix} \begin{bmatrix} -2 & 5 \\ x & y \end{bmatrix} = \begin{bmatrix} y & -7 \\ -7 & 16 \end{bmatrix}$ then the values of x and y are

Options :

1. ✗ $x = 1, y = -4$
2. ✓ $x = -1, y = 4$
3. ✗ $x = -4, y = 1$
4. ✗ $x = 4, y = -1$

Question Number : 2 Question Id : 5113468762 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The eigen values of the matrix $\begin{bmatrix} -5 & 2 \\ 2 & -2 \end{bmatrix}$ are

Options :

1. ✘ -1, 6
2. ✘ 1, -6
3. ✔ -1, -6
4. ✘ 1, 6

Question Number : 3 Question Id : 5113468763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $\lim_{x \rightarrow 0} \frac{\tan x - x}{x - \sin x} = k$ then the value of k is

Options :

1. ✔ 2
2. ✘ 1
3. ✘ -2
4. ✘ -1

Question Number : 4 Question Id : 5113468764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $y = \sin(\cos x^3)$ then $\frac{dy}{dx} =$

Options :

1. ✘ $3x^2 \sin x^2 (\cos x^3)$
2. ✔ $-3x^2 \sin x^3 \cos(\cos x^3)$
3. ✘ $-3x^2 \sin x (\sin x^3)$

4. ✘ $-x^2 \sin x (\cos x^3)$

Question Number : 5 Question Id : 5113468765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The solution of the differential equation $y^2 dx + 2xy dy = x^2 dy + 2xy dx$ is

Options :

1. ✔ $xy^2 - x^2y = c$

2. ✘ $xy^2 + x^2y = c$

3. ✘ $y^2 - x^2 = c$

4. ✘ $y^2 + x^2 = c$

Question Number : 6 Question Id : 5113468766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The integrating factor of the equation $x \log x \frac{dy}{dx} + y = \frac{2}{x} \log x$ is

Options :

1. ✘ x

2. ✘ $\frac{1}{x}$

3. ✔ $\log x$

4. ✘ $\log(\log x)$

Question Number : 7 Question Id : 5113468767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The particular integral of the differential equation $(D + 2)^2 Y = e^{-2x} \cos x$ is [where $D = \frac{d}{dx}$]

Options :

1. ✔ $-e^{-2x} \cos x$

2. ✘ $e^{-2x} \sin x$

3. ✘ $e^{2x} \cos x$

4. ✘ $e^{2x} \sin x$

Question Number : 8 Question Id : 5113468768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

If $x^3 + y^3 = 3axy$, then $\frac{dy}{dx} =$

Options :

1. ✘ $\frac{x^2 - ay}{y^2 - ax}$

2. ✔ $-\frac{x^2 - ay}{y^2 - ax}$

3. ✘ $-\frac{x^2 + ay}{y^2 - ax}$

4. ✘ $-\frac{x^2 - ay}{y^2 + ax}$

Question Number : 9 Question Id : 5113468769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The Laplace transform of $(t + 1)^2 =$

Options :

1. ✘ $\frac{(s+1)^2}{s^3}$

2. ✘ $\frac{(s+1)^2}{s^2}$

3. ✘ $\frac{(s+2)^2}{s^3}$

4. ✓ $\frac{2+2s+s^2}{s^2}$

Question Number : 10 Question Id : 5113468770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Let A and B denote events with $P(A) = \frac{1}{3}$, $P(B) = \frac{1}{4}$, $P(A \cap B) = \frac{1}{12}$, then $P(A|B) =$

Options :

1. ✓ $\frac{1}{3}$

2. ✗ $\frac{1}{4}$

3. ✗ $\frac{3}{4}$

4. ✗ 1

Display Number Panel: Yes
Group All Questions: No

Question Number : 11 Question Id : 5113468771 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

C-2 epimer of glucose.

Options :

1. ✓ Mannose

2. ✗ Fructose

3. ✗ Galactose

4. ✗ Arabinose

Question Number : 12 Question Id : 5113468772 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

An example of animal carbohydrate reserve material.

Options :

1. ✘ Glucose
2. ✔ Glycogen
3. ✘ Maltose
4. ✘ Cellulose

Question Number : 13 Question Id : 5113468773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following are monoamino dicarboxylic acids.

Options :

1. ✘ Aspartic acid, serine
2. ✘ Glutamic acid, arginine
3. ✔ Aspartic acid, glutamic acid
4. ✘ Lysine, aspartic acid

Question Number : 14 Question Id : 5113468774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Protein which is soluble in water and neutral salt solution

Options :

1. ✘ Glutelins
2. ✘ HIstones
3. ✘ Globulins
4. ✔ Albumin

Question Number : 15 Question Id : 5113468775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Olestra is a fat replacer which is

Options :

1. ✓ Polyester of sucrose
2. ✗ Polyester of cellobiose
3. ✗ Isomer of starch
4. ✗ High caloric compound

Question Number : 16 Question Id : 5113468776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Carotenoid pigments having vitamin A activity are

Options :

1. ✓ Beta carotene, α - carotene, γ -carotene
2. ✗ Beta carotene lutein, hycopene
3. ✗ α - Carotene, lycopene, cryptoxanthin
4. ✗ Xanthophyll, citroxanthin lutein

Question Number : 17 Question Id : 5113468777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The Myoglobin globin protein has _____ the molecular weight of
haemoglobin

Options :

1. ✗ One third
2. ✓ one fourth
3. ✗ one fifth

4. ✘ one sixth

Question Number : 18 Question Id : 5113468778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Tannins of plant foods are divided into two groups they are

Options :

1. ✘ Condensed tannins & catechins
2. ✘ Condensed tannins & leucoanthocyanins
3. ✔ Hydrolysable tannins & condensed tannins
4. ✘ Condensed tannins & fat soluble tannins

Question Number : 19 Question Id : 5113468779 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Polyphenolase enzyme requires _____ as a prosthetic group and optimum pH for activity is between

Options :

1. ✘ Copper ; 3&5
2. ✘ Zinc ; 6&7
3. ✘ Iron ; 5&7
4. ✔ Copper; 5&7

Question Number : 20 Question Id : 5113468780 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

End products of non enzymic browning that is brown pigments are

Options :

1. ✔ Melanoidins

2. ✘ Melanins
3. ✘ tannins
4. ✘ Polyphenols

Question Number : 21 Question Id : 5113468781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ketonic rancidity is frequently encountered by the action of fungi such as _____ and _____ on coconuts & other oil seeds.

Options :

1. ✘ Penicillium glaucum and Aspergillus flavus
2. ✘ Penicillium glaucum and Aspergillus parasiticus
3. ✔ Penicillium glaucum and Aspergillus niger
4. ✘ Penicillium glaucum and Fusarium species

Question Number : 22 Question Id : 5113468782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Functions of soluble fiber

Options :

1. ✔ Lowers total & LDL cholesterol along with regulation of blood sugar
2. ✘ Lowers total and LDL cholesterol
3. ✘ Lowers total cholesterol
4. ✘ Increases total and LDL cholesterol

Question Number : 23 Question Id : 5113468783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Anaemia caused due to deficiency of folic acid is called

Options :

1. ✘ Microcytic
2. ✔ Megaloblastic
3. ✘ Perniceous
4. ✘ Haemolytic

Question Number : 24 Question Id : 5113468784 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The essential fatty acids when present in diet can get converted to linolenic and arachidonic acid in the body is

Options :

1. ✘ γ -Linoleic acid
2. ✘ oleic acid
3. ✔ Lenoleic acid
4. ✘ α -linolenic acid

Question Number : 25 Question Id : 5113468785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Calorific value of one gram of pure carbohydrate protein and fat determined with bomb calorimeter are

Options :

1. ✘ 4,4,9
2. ✘ 4.1, 5.2, 9
3. ✘ 4.1, 5.65, 9
4. ✔ 4.1, 5.65, 9.45

Question Number : 26 Question Id : 5113468786 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following are essential amino acids

Options :

1. ✘ Arginine, valine, lysine
2. ✘ Proline, valine, lysine
3. ✔ Lysine, leucine, valine
4. ✘ Leucine, proline, tryptophan

Question Number : 27 Question Id : 5113468787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Deficiency of proteins causes

Options :

1. ✔ Kwashiorkor
2. ✘ marasmus
3. ✘ nutritional marasmus
4. ✘ marasmic kwashiorkor

Question Number : 28 Question Id : 5113468788 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Deficiency of vitamin D in adults causes

Options :

1. ✘ Osteoporosis
2. ✘ Rickets
3. ✔ Osteomalacia
4. ✘ Osteomalaysia

Question Number : 29 Question Id : 5113468789 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Deficiency of _____ causes pernicious anaemia

Options :

1. ✘ Pyridoxine
2. ✘ Cyanocobal amine
3. ✔ Intrinsic factor
4. ✘ Folic acid

Question Number : 30 Question Id : 5113468790 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Requirement of the following vitamins are directly related to the energy intake

Options :

1. ✘ Niacin, Pyridoxine, Biotin
2. ✘ Riboflavin, Pyridoxine, Folic Acid
3. ✘ Thiamine, Niacin, Biotin
4. ✔ Thiamine, Riboflavin, Niacin

Question Number : 31 Question Id : 5113468791 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Dermatitis, Diarrhoea and Dementia are deficiency symptoms of

Options :

1. ✘ Thiamine
2. ✘ Choline
3. ✘ Riboflavin
4. ✔ Niacin

Question Number : 32 Question Id : 5113468792 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Hypokalemia and Hyperkalemia are conditions related to which mineral

Options :

1. ✘ Sodium
2. ✘ Iron
3. ✘ Magnesium
4. ✔ Potassium

Question Number : 33 Question Id : 5113468793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A mineral which is closely related to vitamin B₁₂

Options :

1. ✘ Magnesium
2. ✘ Iron
3. ✔ Cobalt
4. ✘ Copper

Question Number : 34 Question Id : 5113468794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Water requirements of micro organisms is defined in terms of

Options :

1. ✘ Water Vapour
2. ✔ Water Activity
3. ✘ Free Water
4. ✘ Bound Water

Question Number : 35 Question Id : 5113468795 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Microbial metabolic product that correlates with food quality of canned vegetables

Options :

1. ✘ Diacetyl
2. ✘ Ethanol
3. ✘ Histamine
4. ✔ Lactic Acid

Question Number : 36 Question Id : 5113468796 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Red rots in egg is caused by

Options :

1. ✘ Proteus vulgaris
2. ✘ Aeromonas spp
3. ✔ Serratia spp
4. ✘ Pseudomonas spp

Question Number : 37 Question Id : 5113468797 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Chalky bread is caused by

Options :

1. ✘ Penecillium spp & Aspergillus spp
2. ✘ Proteus spp & Pseudomonas spp
3. ✘ Strepto coccus spp

4. ✓ Endomycapsis fibruliger & Irichosporn variade

Question Number : 38 Question Id : 5113468798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A can with both ends bulged when one end or both remain concave if pushed in is called a

Options :

1. ✗ Soft swell
2. ✓ Springer
3. ✗ Flipper
4. ✗ Hard swell

Question Number : 39 Question Id : 5113468799 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which bacteria produce the most heat resistant spores

Options :

1. ✗ Mesophiles
2. ✓ Thermophiles
3. ✗ Psychrophiles
4. ✗ Psychrotrophs

Question Number : 40 Question Id : 5113468800 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Intrinsic factor affecting the growth of micro organisms are

Options :

1. ✓ Nutrients, pH, water activity, Redox Potential
2. ✗ pH, Water activity, temperature

3. ✘ Nutrients, pH, relative humidity

4. ✘ Temperature, irradiation, nutrients, pH

Question Number : 41 Question Id : 5113468801 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Classical bacillary dysentery is caused by

Options :

1. ✘ *Shigella flexneri*

2. ✘ *Shigella sonnei*

3. ✔ *Shigella dysenteriae*

4. ✘ *Shigella boydii*

Question Number : 42 Question Id : 5113468802 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Acute watery diarrhoea occurring among individuals who are new arrivals in certain foreign countries is caused by

Options :

1. ✔ *E.coli*

2. ✘ *Shigella spp*

3. ✘ *Clostridium per fringens*

4. ✘ *Salmonella spp*

Question Number : 43 Question Id : 5113468803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Campylobacteriosis can be avoided by not consuming the following foods.

Options :

1. ✘ Pasteurized milk

2. ✓ Under cooked animal foods & unpasteurized milk
3. ✗ Over cooked animal foods
4. ✗ Pasteurized milk & properly cooked meat.

Question Number : 44 Question Id : 5113468804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Amoebiasis is caused by

Options :

1. ✗ Engtamoeba coli
2. ✗ Entamoeba histolytica
3. ✓ Amoeba proteus
4. ✗ Giardia lambia

Question Number : 45 Question Id : 5113468805 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Dillpickles are prepared by

Options :

1. ✗ Radish
2. ✗ Cabbage
3. ✗ Olives
4. ✓ Cucumber

Question Number : 46 Question Id : 5113468806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Bitter component in olives is hydrolysed by giving

Options :

1. ✘ Acid treatment
2. ✘ Dill treatment
3. ✔ Lye treatment
4. ✘ Sugar treatment

Question Number : 47 Question Id : 5113468807 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Micro organisms involved in fermentation of idli are

Options :

1. ✔ Leuconostoc mesentroides, Streptococcus faecalis
2. ✘ Lactobacillus caseii, Streptococcus faecalis
3. ✘ Lactobacillus brevis, Pediococcus
4. ✘ Leuconostoc mesentroides, Lactobacillus plantarum

Question Number : 48 Question Id : 5113468808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Champagne is made from

Options :

1. ✘ Vitis vinifera grapes
2. ✔ Pinot noir grapes
3. ✘ Peaches
4. ✘ Pears

Question Number : 49 Question Id : 5113468809 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Brandy contains _____ percentage of alcohol

Options :

1. ✘ 30-40%
2. ✘ 70-80%
3. ✔ 40-60%
4. ✘ 60-70%

Question Number : 50 Question Id : 5113468810 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Whiskey is made by

Options :

1. ✘ Distilling the fermented juice of fruits
2. ✘ Distilling the fermented juice of vegetables
3. ✘ Distilling the fermented juice of tubers
4. ✔ Distilling the fermented juice of cereal grains

Question Number : 51 Question Id : 5113468811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Moisture content in soft cheese is

Options :

1. ✘ 39-50%
2. ✔ 50-80%
3. ✘ <39%
4. ✘ <34%

Question Number : 52 Question Id : 5113468812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Vinegar is made from

Options :

1. ✓ Juices of fruits, starchy vegetables, malted cereals, sugars, spirits or alcohols.
2. ✗ Only malted cereals
3. ✗ Only fruit juices
4. ✗ Only starchy vegetables

Question Number : 53 Question Id : 5113468813 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Examples of fermented milks

Options :

1. ✓ Yoghurt, kefir, koumiss
2. ✗ Kefir
3. ✗ Kefir, kumiss, kimchi
4. ✗ Yoghurt, koumiss

Question Number : 54 Question Id : 5113468814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Sausage is derived from Latin word.

Options :

1. ✗ Salsa
2. ✓ Salsus
3. ✗ Salus
4. ✗ Salted

Question Number : 55 Question Id : 5113468815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Examples of cooked and smoked sausage

Options :

1. ✘ Pork sausage
2. ✔ Frank furthers
3. ✘ Milano salami
4. ✘ Genoa salami

Question Number : 56 Question Id : 5113468816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Rum is produced from

Options :

1. ✔ Distillate of fermented sugar cane or molasses
2. ✘ Distillate of fermented fruit juice
3. ✘ Fermented barley & barley malt
4. ✘ Fermented beetroot & carrot juice

Question Number : 57 Question Id : 5113468817 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Oilseed containing 40% protein

Options :

1. ✔ Soybeans
2. ✘ Groundnuts
3. ✘ Cashew nuts
4. ✘ Almonds

Question Number : 58 Question Id : 5113468818 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ragi is a rich source of

Options :

1. ✘ Iron
2. ✘ Phosphorus
3. ✔ Calcium
4. ✘ Vitamin B₆

Question Number : 59 Question Id : 5113468819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Hydrothermal treatment followed by drying before milling of rice is known as

Options :

1. ✘ Roasting
2. ✘ Popping
3. ✘ Parching
4. ✔ Parboiling

Question Number : 60 Question Id : 5113468820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Wheat flour used in preparation of bread has

Options :

1. ✔ High protein, stronger elastic properties
2. ✘ Low protein, stronger elastic properties
3. ✘ Medium protein, weak elastic properties
4. ✘ High protein, weak elastic properties

Question Number : 61 Question Id : 5113468821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

By products of rice milling are

Options :

1. ✓ Hulls/husk, rice bran, rice germ
2. ✗ Rice husk, rice bran
3. ✗ Rice bran, rice germ
4. ✗ Rice bran only

Question Number : 62 Question Id : 5113468822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Fat from animal tissues are obtained by

Options :

1. ✓ Rendering
2. ✗ Enfluerage
3. ✗ Pressing
4. ✗ Expelling

Question Number : 63 Question Id : 5113468823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Food products included under batter system are

Options :

1. ✗ Cookies
2. ✗ Cakes
3. ✗ Biscuits

4. ✓ Cookies & cakes

Question Number : 64 Question Id : 5113468824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

_____ is a good refrigerating agent but cannot be used for refrigeration of fruits.

Options :

1. ✗ Sugar solution

2. ✗ Syrup

3. ✓ Brine

4. ✗ Vinegar

Question Number : 65 Question Id : 5113468825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Percentage of acid present in jam is

Options :

1. ✓ 0.5-0.6

2. ✗ 0.6-0.7

3. ✗ 0.4-0.5

4. ✗ 0.3-0.4

Question Number : 66 Question Id : 5113468826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Fruits containing large amount of pectin are

Options :

1. ✓ Guava, orange, apples

2. ✗ Cherries, grapes, strawberries

3. ✘ Guava, cherries, apples

4. ✘ Grapes, oranges, lemon

Question Number : 67 Question Id : 5113468827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Final concentration of vinegar in terms of acetic acid in the finished pickle should not be less than

Options :

1. ✘ 3 percent

2. ✔ 2 percent

3. ✘ 4 percent

4. ✘ 2.5 percent

Question Number : 68 Question Id : 5113468828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Some of the gelling agents are

Options :

1. ✘ Agar agar & gelatin

2. ✔ Agar agar, Alginate, carrageenan, gelatin

3. ✘ Carrageenan, gelatin

4. ✘ Agar agar, alginate

Question Number : 69 Question Id : 5113468829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

High boiled sugar formed into a rope and cut into pieces and transferred into mould

Options :

1. ✘ Peanut brittle
2. ✘ Fudge
3. ✘ Caramel
4. ✔ Lollipops

Question Number : 70 Question Id : 5113468830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Two most important ingredients of marsh mallows are

Options :

1. ✘ Air and water
2. ✔ Air and moisture
3. ✘ Air and milk
4. ✘ Air and fat

Question Number : 71 Question Id : 5113468831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Stimulating properties in cocoa are because of

Options :

1. ✘ Caffeine
2. ✘ Nicotine
3. ✔ Theobromine
4. ✘ Tannins

Question Number : 72 Question Id : 5113468832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Some of the miscellaneous beverages are

Options :

1. ✓ Neera, coconut water, sugar cane juice
2. ✗ Beer, Ale, Coconut water
3. ✗ Toddy, Sake, Ale, Neera
4. ✗ Neera, Porter, Sake, Ale

Question Number : 73 Question Id : 5113468833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Main fibrous protein present in muscle significantly influencing meat toughness is

Options :

1. ✗ Reticulin
2. ✗ Elastin
3. ✓ Collagen
4. ✗ Gelatin

Question Number : 74 Question Id : 5113468834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Resting ground for the tired and stressed animals is

Options :

1. ✓ Lairage
2. ✗ Slaughter
3. ✗ Resting
4. ✗ Stunning

Question Number : 75 Question Id : 5113468835 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

_____ Constitutes above 80-90% of the total meat pigments.

Options :

1. ✘ Hemoglobin
2. ✘ Oxymyoglobin
3. ✔ Myoglobin
4. ✘ Metmyoglobin

Question Number : 76 Question Id : 5113468836 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Pithing process in adult cattle after stunning destroys _____ part of the brain

Options :

1. ✘ Cerebrum
2. ✘ Cerebellum
3. ✔ Medulla oblongata
4. ✘ Pons

Question Number : 77 Question Id : 5113468837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Commonly used humectants in meat preparations are

Options :

1. ✔ Glycerol, Propylene glycol, Sodium chloride
2. ✘ Glycerol, Sodium benzoate
3. ✘ Propylene glycol, potassium sorbate
4. ✘ Potassium sorbate, Sodium benzoate

Question Number : 78 Question Id : 5113468838 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Percentage of albumin and yolk in egg is

Options :

1. ✓ 50% & 31%
2. ✗ 57% & 32%
3. ✗ 56% & 31%
4. ✗ 57% & 33%

Question Number : 79 Question Id : 5113468839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Scalding refers to

Options :

1. ✗ Boiling the birds in water
2. ✓ Immersion of birds in hot water for loosening the feathers
3. ✗ Immersion of birds in cold water
4. ✗ Immersion of birds in salt water

Question Number : 80 Question Id : 5113468840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ritual slaughter methods are

Options :

1. ✓ Schechita, Halal & Jhatka
2. ✗ Halal, Koshar & Jhatka
3. ✗ Jhatka, Halal
4. ✗ Jewish method & Jhatka

Question Number : 81 Question Id : 5113468841 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Fat spreads are classified based on

Options :

1. ✓ Origin or type of fat & level of fat
2. ✗ Type of fat
3. ✗ Source of fat
4. ✗ Level of fat

Question Number : 82 Question Id : 5113468842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Milk product obtained by acid coagulation of hot milk and subsequent drainage of whey is

Options :

1. ✗ Curds
2. ✗ Rasogulla
3. ✓ Paneer
4. ✗ Sandesh

Question Number : 83 Question Id : 5113468843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Fat content is higher in the following milks.

Options :

1. ✓ Buffalo, Dog, Elephant, Whale
2. ✗ Ass, Camel, Cow
3. ✗ Cat, Ass, Cow
4. ✗ Camel, Human, Cow

Question Number : 84 Question Id : 5113468844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Milk contains low amounts of

Options :

1. ✓ Iron, copper, iodine
2. ✗ Calcium, iron, phosphorus
3. ✗ Calcium, phosphorus, proteins
4. ✗ Iron, calcium, proteins

Question Number : 85 Question Id : 5113468845 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Name the test used to detect inadequate pasteurization of milk

Options :

1. ✗ Coagulase test
2. ✓ Phosphatase test
3. ✗ Phytosterol acetate
4. ✗ Baudorin test

Question Number : 86 Question Id : 5113468846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A process in which milk is heated with direct steam upto 150°C for a fraction of a second

Options :

1. ✓ Vaporization
2. ✗ Flash pasteurization
3. ✗ Vacreation
4. ✗ High temperature short time

Question Number : 87 Question Id : 5113468847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

An example of vegetable toned milk

Options :

1. ✘ Filtered milk
2. ✘ Toned milk
3. ✘ Double toned milk
4. ✔ Miltone

Question Number : 88 Question Id : 5113468848 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Convenient method for preservation of butter or cream in the absence of refrigerated storage

Options :

1. ✘ Enzyme modified oil
2. ✔ Butter oil
3. ✘ Ghee
4. ✘ Low fat cream

Question Number : 89 Question Id : 5113468849 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Viscosity in newtonian fluid is defined as

Options :

1. ✘ Resistance to flow of fluids
2. ✘ Deals with shear stress & shear strain
3. ✘ Property of fluid
4. ✔ Shear stress is directly proportional to velocity gradient

Question Number : 90 Question Id : 5113468850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Venturimeter consists of

Options :

1. Converging and diverging sections
2. Sharp edge plate with a hole
3. Converging section only
4. Diverging section only

Question Number : 91 Question Id : 5113468851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Reynolds number is defined as

Options :

1. a measure of flow measuring system
2. Ratio of inertial forces to the viscous forces
3. Ratio of inertial forces to the gravitational forces
4. Ratio of viscous forces to the inertial forces

Question Number : 92 Question Id : 5113468852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Bernoulli's equation deals with

Options :

1. Potential energy and kinetic energy
2. Pressure energy and potential energy
3. Pressure energy, kinetic energy & potential energy

4. ✘ Kinetic energy and pressure energy

Question Number : 93 Question Id : 5113468853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Continuity equation is based on

Options :

1. ✔ Law of conservation of mass
2. ✘ Law of conservation of energy
3. ✘ Law of conservation of momentum
4. ✘ Law of conservation of mass & energy

Question Number : 94 Question Id : 5113468854 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The components of centrifugal pump are

Options :

1. ✘ Rotator and casing
2. ✘ Agitator and casing
3. ✘ Votator and casing
4. ✔ Impeller and casing

Question Number : 95 Question Id : 5113468855 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Heat transfer by conduction is based on

Options :

1. ✘ Fourier's second law
2. ✘ Thermodynamics second law
3. ✔ Fourier's first law

4. ✘ Zeroth law thermodynamics

Question Number : 96 Question Id : 5113468856 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Heat transfer by convection occurs in _____

Options :

1. ✘ Solids
2. ✘ Solids & liquids
3. ✔ Solid surfaces to liquids & gases
4. ✘ Gases

Question Number : 97 Question Id : 5113468857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Stephan Boltzmann law states that

Options :

1. ✔ Heat flux is directly proportional to fourth power of temperature difference
2. ✘ Heat flux is directly proportional to temperature variant
3. ✘ Heat flux is directly proportional to square of temperature variant
4. ✘ Heat flux is inversely proportional to fourth power of temperature difference

Question Number : 98 Question Id : 5113468858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Super heated steam is produced at

Options :

1. ✘ Boiling point
2. ✔ Above boiling point
3. ✘ Below boiling point

4. ✘ At boiling point

Question Number : 99 Question Id : 5113468859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The temperature ratio $\frac{T^s - T}{T^s - T_0}$ in unsteady state heat transfer can be expressed as a function of

Options :

1. ✘ Nusselt number and Prandtl number
2. ✘ Prandtl number and Fourier number
3. ✔ Biot number and Fourier number
4. ✘ Nusselt number and Biot number

Question Number : 100 Question Id : 5113468860 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not a basic part of evaporator

Options :

1. ✘ Heat exchanger
2. ✘ Vapour separator
3. ✘ Entrainment separator
4. ✔ Barometric leg

Question Number : 101 Question Id : 5113468861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The filter press commonly used in oil mill is a

Options :

1. ✘ Continuous type pressure filter
2. ✘ Continuous type vacuum filter

3. ✓ Discontinuous type pressure filter

4. ✗ Discontinuous type vacuum filter

Question Number : 102 Question Id : 5113468862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The usual diameter of tubular bowl centrifuge is

Options :

1. ✓ 0.1 to 0.15 m

2. ✗ 0.3 to 0.5 m

3. ✗ 1.0 to 1.2 m

4. ✗ 1.5 to 1.8 m

Question Number : 103 Question Id : 5113468863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is also known as loose reverse osmosis

Options :

1. ✗ Reverse osmosis

2. ✓ Nano filtration

3. ✗ Ultra filtration

4. ✗ Micro filtration

Question Number : 104 Question Id : 5113468864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Boiling point elevation of a solution is defined as the

Options :

1. ✓ Increase in boiling point over that of pure water at a given pressure

2. ✘ Increase in boiling point over that of pure water at a given temperature
3. ✘ Increase in boiling point over that of pure water at a given pressure and temperature
4. ✘ Increase in boiling point over that of pure water at a moderate temperature and pressure ranges

Question Number : 105 Question Id : 5113468865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Separation of solids from solids is called as

Options :

1. ✘ Filtration
2. ✘ Sedimentation
3. ✘ Centrifugation
4. ✔ Sieving

Question Number : 106 Question Id : 5113468866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Extraction of soluble constituents from a solid by means of a solvent is known as

Options :

1. ✘ Distillation
2. ✔ Leaching
3. ✘ Evaporation
4. ✘ Sublimation

Question Number : 107 Question Id : 5113468867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Super centrifuges are a type of

Options :

1. ✘ Centrifugal clarifier
2. ✔ Tubular bowl centrifuge
3. ✘ Disc bowl centrifuge
4. ✘ Tubular & disc bowl centrifuge

Question Number : 108 Question Id : 5113468868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Plate heat exchangers are used for

Options :

1. ✘ Pasteurization of milk
2. ✘ Pasteurization of sausages
3. ✔ Pasteurization of milk & juices
4. ✘ Pasteurization of purees

Question Number : 109 Question Id : 5113468869 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In ball mill, the forces involved are

Options :

1. ✔ Impact
2. ✘ Attrition
3. ✘ Crushing
4. ✘ Impact & crushing

Question Number : 110 Question Id : 5113468870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Cutting of food materials into cubes is called as

Options :

1. ✘ Slicing
2. ✔ Dicing
3. ✘ Milling
4. ✘ Crystallization

Question Number : 111 Question Id : 5113468871 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Test used to asses pleasurable or unpleasurable experiences is

Options :

1. ✘ Duo trio test
2. ✔ Hedonic rating test
3. ✘ Dilution test
4. ✘ Paired compassion test

Question Number : 112 Question Id : 5113468872 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Adulterant found in dry ginger

Options :

1. ✔ Ultra marine blue
2. ✘ Lead chromate
3. ✘ Copper sulphate
4. ✘ Rhodamine B

Question Number : 113 Question Id : 5113468873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Guidelines for nutrition labeling have been published by

Options :

1. ✘ ISO-14000
2. ✘ ISO-9000
3. ✔ Codex Alimentaris Commission
4. ✘ ISO-22000

Question Number : 114 Question Id : 5113468874 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Adulterants found in traditional sweets like burfi

Options :

1. ✘ Aluminum foil, non permitted colours
2. ✘ Aluminum foil, silver foil
3. ✘ Permitted colours in larger amounts
4. ✔ Aluminum foil, non-permitted colours in more than prescribed limits

Question Number : 115 Question Id : 5113468875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the solvent is not used for lipid extraction

Options :

1. ✔ Acetic acid
2. ✘ Ethyl ether
3. ✘ Petroleum ether
4. ✘ n-butanol

Question Number : 116 Question Id : 5113468876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Chromatography is based on

Options :

1. ✓ Adsorption
2. ✗ Absorption
3. ✗ Reflectance
4. ✗ Transmittance

Question Number : 117 Question Id : 5113468877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

FSSAI stands for

Options :

1. ✗ Food Safety Standards Act India
2. ✓ Food Safety Standards Authority India
3. ✗ Food Safety Standards of India
4. ✗ Food Safety Standards Association of India

Question Number : 118 Question Id : 5113468878 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

GHP stands for

Options :

1. ✗ Good Health Practices
2. ✓ Good Hygienic Practices
3. ✗ Good Hazard Precaution
4. ✗ Government Health Promotion

Question Number : 119 Question Id : 5113468879 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Components of risk analysis are

Options :

1. ✘ Risk management & risk assessment
2. ✘ Risk assessment & risk communication
3. ✔ Risk assessment, risk management & risk communication
4. ✘ Only risk assessment

Question Number : 120 Question Id : 5113468880 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Components of food safety management systems are

Options :

1. ✔ GMP, GHP & HACCP
2. ✘ GMP, GHP, GAP & HACCP
3. ✘ GMP, GAP & HACCP
4. ✘ CCP, GAP & HACCP