

Question Paper Preview**Notations :**

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

Question Paper Name:	Food Technology 30th May 2018 Shift2
Subject Name:	Food Technology
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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 :

- ✗ $x = 1, y = -4$
- ✓ $x = -1, y = 4$
- ✗ $x = -4, y = 1$
- ✗ $x = 4, y = -1$

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:
Group All Questions:

Yes
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. ✔ Linoleic 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. ✓ Endomycopsis 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 perfringens*

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

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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.

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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

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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. ✖

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 $\frac{T^1-T}{T^1-T_0}$ 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