

# National Testing Agency

**Question Paper Name :** PGQP31 16th Sept 2021 Shift 1  
**Subject Name :** PGQP31  
**Creation Date :** 2021-09-16 14:44:28  
**Duration :** 120  
**Total Marks :** 400  
**Display Marks:** Yes

## PGQP31

**Group Number :** 1  
**Group Id :** 864351317  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 120  
**Show Attended Group? :** No  
**Edit Attended Group? :** No  
**Break time :** 0  
**Group Marks :** 400  
**Is this Group for Examiner? :** No

## PART A-General

**Section Id :** 8643511176  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional :** Mandatory

<b>Number of Questions :</b>	25
<b>Number of Questions to be attempted :</b>	25
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	8643511409
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 86435127405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Select the correct word that can best complete the given sentence :

Marriages between members of extended family were \_\_\_\_\_ to strengthen the ties of relationship.

1. mentioned
2. promoted
3. indulged
4. performed

**Options :**

86435194071. 1

86435194072. 2

86435194073. 3

86435194074. 4

**Question Number : 2 Question Id : 86435127406 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

From the choices given below, select the pair which exhibits the same relationship as the one in capitalized pair of words :

**SOLDIER : REGIMENT**

1. clown : circus
2. actor : troupe
3. dancer : ballet
4. instrument : musician

**Options :**

86435194075. 1

86435194076. 2

86435194077. 3

86435194078. 4

**Question Number : 3 Question Id : 86435127407 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is correctly spelt?

1. Surrupitious
2. Surepptitious
3. Surrepcitious
4. Surreptitious

**Options :**

86435194079. 1

86435194080. 2

86435194081. 3

86435194082. 4

**Question Number : 4 Question Id : 86435127408 Question Type : MCQ Option Shuffling : No Is**



**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is nearest in meaning to the word '**EDIFY**'?

1. Instruct
2. Satisfy
3. Amuse
4. Consume

**Options :**

86435194083. 1

86435194084. 2

86435194085. 3

86435194086. 4

**Question Number : 5 Question Id : 86435127409 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

There was nobody to attend \_\_\_\_\_ the complaints of the passengers.

1. on
2. in
3. to
4. for

**Options :**

86435194087. 1

86435194088. 2

86435194089. 3

86435194090. 4

**Question Number : 6 Question Id : 86435127410 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A post without remuneration is known as

1. voluntary
2. sinecure
3. sincere
4. honorary

**Options :**

86435194091. 1

86435194092. 2

86435194093. 3

86435194094. 4

**Question Number : 7 Question Id : 86435127411 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Select the most suitable antonym :

EXPEDITION

1. Silence
2. Explanation
3. Undertaking
4. Delay

**Options :**

86435194095. 1

86435194096. 2

86435194097. 3

86435194098. 4

**Question Number : 8 Question Id : 86435127412 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Fill in the blanks with right words :

Lakshman was initially \_\_\_\_\_ at the suggestion but later started \_\_\_\_\_ it himself.

1. thrilled, negating
2. frowning, rejecting
3. impressed, negating
4. shocked, advocating

**Options :**

86435194099. 1

86435194100. 2

86435194101. 3

86435194102. 4

**Question Number : 9 Question Id : 86435127413 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Identify the meaning of the idiom from the options given :

Miss the boat

1. let too much time go by to complete a task
2. long for something that you don't have
3. miss out on an opportunity
4. not know the difference between right and wrong

**Options :**

86435194103. 1

86435194104. 2

86435194105. 3



86435194106. 4

**Question Number : 10 Question Id : 86435127414 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

These grapes \_\_\_\_\_ sour.

1. are testing
2. tasted
3. taste
4. have tested

**Options :**

86435194107. 1

86435194108. 2

86435194109. 3

86435194110. 4

**Question Number : 11 Question Id : 86435127415 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In a certain code THRIVES is written as SIUHRDU. How is SOULFUL written in that code?

1. VPTKKTE
2. VPTKETK
3. TPVKKTE
4. TNRKMVG

**Options :**

86435194111. 1

86435194112. 2

86435194113. 3

86435194114. 4

**Question Number : 12 Question Id : 86435127416 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What will come in place of the question mark (?) in the expression?

$$1050 \div 25 \times 51 - 1942 = ?$$

1. 152
2. 200
3. 252
4. 300

**Options :**

86435194115. 1

86435194116. 2

86435194117. 3

86435194118. 4

**Question Number : 13 Question Id : 86435127417 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

There are five statues L, M, N, O and P each of them having different height. Statue L is smaller than only statue M. Statue O is smaller than statue N. Statue O is longer than statue P. The height of the tallest statue is 20 feet. The height of the second smallest statue is 11 feet. What will be the height of statue P?

1. 9 feet
2. 12 feet
3. 13 feet
4. 15 feet

**Options :**

86435194119. 1



86435194120. 2

86435194121. 3

86435194122. 4

**Question Number : 14 Question Id : 86435127418 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Ashok started walking towards South. After walking 50 meters he took a right turn and walked 30 meters. He then took a right turn and walked 100 meters. He again took a right turn and walked 30 meters and stopped. How far he from the starting point?

1. 180 meters
2. 150 meters
3. 50 meters
4. None of these

**Options :**

86435194123. 1

86435194124. 2

86435194125. 3

86435194126. 4

**Question Number : 15 Question Id : 86435127419 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The number, whose square is equal to the difference of the squares of the numbers 68 and 32, is

1. 36
2. 48
3. 60
4. 64

**Options :**

86435194127. 1

86435194128. 2

86435194129. 3

86435194130. 4

**Question Number : 16 Question Id : 86435127420 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is not a prime number?

1. 31

2. 61

3. 71

4. 91

**Options :**

86435194131. 1

86435194132. 2

86435194133. 3

86435194134. 4

**Question Number : 17 Question Id : 86435127421 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

$1397 \times 1397 = ?$

1. 1981709

2. 1951609

3. 1836219

4. 1902179

**Options :**

86435194135. 1

86435194136. 2

86435194137. 3

86435194138. 4

**Question Number : 18 Question Id : 86435127422 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What least number must be added to 1056, so that the sum is completely divisible by 23?

1. 21
2. 18
3. 3
4. 2

**Options :**

86435194139. 1

86435194140. 2

86435194141. 3

86435194142. 4

**Question Number : 19 Question Id : 86435127423 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Choose the correct answer :

$$7845 - ? = 8461 - 3569$$

1. 2953
2. 2773
3. 3569
4. 2352

**Options :**



86435194143. 1

86435194144. 2

86435194145. 3

86435194146. 4

**Question Number : 20 Question Id : 86435127424 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which country is called the 'Land of Fjords' ?

1. Sweden
2. Italy
3. Norway
4. Singapore

**Options :**

86435194147. 1

86435194148. 2

86435194149. 3

86435194150. 4

**Question Number : 21 Question Id : 86435127425 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The biggest part of the brain is

1. cerebrum
2. spinal cord
3. cerebellum
4. brain stem

**Options :**

86435194151. 1

86435194152. 2

86435194153. 3

86435194154. 4

**Question Number : 22 Question Id : 86435127426 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Name the person who was also known as 'Deshbandhu'.

1. S. Radhakrishnan
2. G. K. Gokhale
3. Chittaranjan Das
4. A. P. J. Abdul Kalam

**Options :**

86435194155. 1

86435194156. 2

86435194157. 3

86435194158. 4

**Question Number : 23 Question Id : 86435127427 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Who is known as 'The Saint of Gutters'?

1. Baba Amte
2. Anna Hazare
3. Mother Teresa
4. None of these

**Options :**

86435194159. 1

86435194160. 2

86435194161. 3

86435194162. 4

**Question Number : 24 Question Id : 86435127428 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Garampani Sanctuary is located at

1. Junagarh, Gujarat
2. Diphu, Assam
3. Kohima, Nagaland
4. Gangtok, Sikkim

**Options :**

86435194163. 1

86435194164. 2

86435194165. 3

86435194166. 4

**Question Number : 25 Question Id : 86435127429 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The National Rural Health Mission has been launched in the country in \_\_\_\_\_.

1. 2003
2. 2005
3. 2007
4. 2009

**Options :**

86435194167. 1

86435194168. 2

86435194169. 3



86435194170.4

## Part B-Food Science and Technology

<b>Section Id :</b>	8643511177
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	75
<b>Number of Questions to be attempted :</b>	75
<b>Section Marks :</b>	300
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	8643511410
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 26 Question Id : 86435127430 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Silver Revolution is related to the production of

1. prawn
2. fish
3. egg
4. All of the above

**Options :**

86435194171. 1

86435194172. 2

86435194173. 3

86435194174. 4

**Question Number : 27 Question Id : 86435127431 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In which year did Agmark come into existence?

1. 1937
2. 1967
3. 1998
4. 1992

**Options :**

86435194175. 1

86435194176. 2

86435194177. 3

86435194178. 4

**Question Number : 28 Question Id : 86435127432 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The raw material utilized for the preparation of Rum is

1. potato
2. molasses
3. grape
4. All of the above

**Options :**

86435194179. 1

86435194180. 2

86435194181. 3

86435194182. 4

**Question Number : 29 Question Id : 86435127433 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the SNF content of recombined milk?

1. 7.5%

2. 6.5%

3. 8.5%

4. 8.1%

**Options :**

86435194183. 1

86435194184. 2

86435194185. 3

86435194186. 4

**Question Number : 30 Question Id : 86435127434 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In which year was the Meat Food Product Order Passed?

1. 1973

2. 1992

3. 1995

4. 1967

**Options :**

86435194187. 1

86435194188. 2

86435194189. 3



86435194190. 4

**Question Number : 31 Question Id : 86435127435 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The most abundant acid present in sugarcane is

1. citric acid
2. malic acid
3. aconitic acid
4. tartaric acid

**Options :**

86435194191. 1

86435194192. 2

86435194193. 3

86435194194. 4

**Question Number : 32 Question Id : 86435127436 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the fat content of foremilk?

1. < 1.0
2. > 1.0
3. = 1.0
4. = 2.0

**Options :**

86435194195. 1

86435194196. 2

86435194197. 3

86435194198. 4

**Question Number : 33 Question Id : 86435127437 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the ratio of dehulled black gram : rice in idli?

1. 02 : 01
2. 01 : 02
3. 03 : 01
4. 04 : 01

**Options :**

86435194199. 1

86435194200. 2

86435194201. 3

86435194202. 4

**Question Number : 34 Question Id : 86435127438 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which chemical compound is considered as standard for sour taste?

1. HCl
2. KCl
3. NaCl
4. CaCl<sub>2</sub>

**Options :**

86435194203. 1

86435194204. 2

86435194205. 3

86435194206. 4

**Question Number : 35 Question Id : 86435127439 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The SMP may not contain more than \_\_\_\_\_ % milk fat.

1. 1.1

2. 1.2

3. 1.3

4. 1.5

**Options :**

86435194207. 1

86435194208. 2

86435194209. 3

86435194210. 4

**Question Number : 36 Question Id : 86435127440 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one is the most abundant component in sugarcane molasses?

1. Water

2. Sucrose

3. Fructose

4. Glucose

**Options :**

86435194211. 1

86435194212. 2

86435194213. 3



86435194214. 4

**Question Number : 37 Question Id : 86435127441 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which component is present in highest amount in fish?

1. Vitamin A and vitamin D
2. Iodine
3. Unsaturated fatty acid
4. All of the above

**Options :**

86435194215. 1

86435194216. 2

86435194217. 3

86435194218. 4

**Question Number : 38 Question Id : 86435127442 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the range of molasses pH?

1. 5.0 to 5.5
2. 5.5 to 6.0
3. 6.0 to 6.5
4. 6.5 to 7.0

**Options :**

86435194219. 1

86435194220. 2

86435194221. 3

86435194222. 4

**Question Number : 39 Question Id : 86435127443 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which microorganism is essentially involved in citric acid production?

1. *Fusarium* sp.
2. *Rhizopus oryzae*
3. *Aspergillus* sp.
4. *Penicillium* sp.

**Options :**

86435194223. 1

86435194224. 2

86435194225. 3

86435194226. 4

**Question Number : 40 Question Id : 86435127444 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which fatty acids are predominant in cocoa butter?

1. Saturated fatty acids
2. Monounsaturated fatty acids
3. Polyunsaturated fatty acids
4. *n*-3 polyunsaturated fatty acids

**Options :**

86435194227. 1

86435194228. 2

86435194229. 3

86435194230. 4

**Question Number : 41 Question Id : 86435127445 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Codex was created in

1. 1975
2. 1962
3. 1954
4. 1966

**Options :**

86435194231. 1

86435194232. 2

86435194233. 3

86435194234. 4

**Question Number : 42 Question Id : 86435127446 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which organism is involved in production of single-cell protein (SCP)?

1. *Aspergillus* sp.
2. *Penicillium* sp.
3. *Fusarium* sp.
4. All of the above

**Options :**

86435194235. 1

86435194236. 2

86435194237. 3



86435194238. 4

**Question Number : 43 Question Id : 86435127447 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which term is utilized for phosphorous deficiency?

1. Hypophosphatemia
2. Hyperphosphatemia
3. Hypokalemia
4. Hyperkalemia

**Options :**

86435194239. 1

86435194240. 2

86435194241. 3

86435194242. 4

**Question Number : 44 Question Id : 86435127448 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The sugarcane wax can be used to replace

1. carnauba wax
2. bee wax
3. montan wax
4. All of the above

**Options :**

86435194243. 1

86435194244. 2

86435194245. 3

86435194246. 4

**Question Number : 45 Question Id : 86435127449 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the % of fat in table cream?

1. 10
2. 15
3. 20
4. 25

**Options :**

86435194247. 1

86435194248. 2

86435194249. 3

86435194250. 4

**Question Number : 46 Question Id : 86435127450 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is involved in vinegar fermentation?

1. Yeasts only
2. Yeasts with acetic acid bacteria
3. Yeasts with lactic acid bacteria
4. Yeasts with butyric acid bacteria

**Options :**

86435194251. 1

86435194252. 2

86435194253. 3

86435194254. 4

**Question Number : 47 Question Id : 86435127451 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which drink can be prepared from sugarcane juice?

1. Soju
2. Brandy
3. Toddy
4. Gin

**Options :**

86435194255. 1

86435194256. 2

86435194257. 3

86435194258. 4

**Question Number : 48 Question Id : 86435127452 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the % of salt present in pickles?

1. 14
2. 12
3. 13
4. 15

**Options :**

86435194259. 1

86435194260. 2

86435194261. 3



86435194262. 4

**Question Number : 49 Question Id : 86435127453 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Why are fermented foods commonly consumed?

1. Nutritive value
2. Short cooking time
3. Prolong shelf life
4. All of the above

**Options :**

86435194263. 1

86435194264. 2

86435194265. 3

86435194266. 4

**Question Number : 50 Question Id : 86435127454 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the % loss of thiamine during pasteurization?

1. 11
2. 10
3. 15
4. 14

**Options :**

86435194267. 1

86435194268. 2

86435194269. 3

86435194270. 4

**Question Number : 51 Question Id : 86435127455 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How many regional offices the Directorate of FPO has?

1. 5

2. 3

3. 2

4. 4

**Options :**

86435194271. 1

86435194272. 2

86435194273. 3

86435194274. 4

**Question Number : 52 Question Id : 86435127456 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the total acidity of skim milk powder?

1. Should not more than 1.5%

2. Should not more than 1.1%

3. Should not more than 1.2%

4. Should not more than 1.3%

**Options :**

86435194275. 1

86435194276. 2

86435194277. 3

86435194278. 4

**Question Number : 53 Question Id : 86435127457 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Vodka accounts for how much percentage of the distilled spirits market?

1. 15
2. 20
3. 25
4. 5

**Options :**

86435194279. 1

86435194280. 2

86435194281. 3

86435194282. 4

**Question Number : 54 Question Id : 86435127458 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one is considered as the ionizing radiation?

1. X-rays
2. Gamma rays
3. Cathode rays
4. All of the above

**Options :**

86435194283. 1

86435194284. 2

86435194285. 3

86435194286. 4



**Question Number : 55 Question Id : 86435127459 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the range of moisture present in intermediate moisture foods (IMF)?

1. 10%–20%
2. 20%–30%
3. 10%–30%
4. 20%–40%

**Options :**

86435194287. 1

86435194288. 2

86435194289. 3

86435194290. 4

**Question Number : 56 Question Id : 86435127460 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In which atmosphere may an osmophilic organism grow?

1. Sugar
2. Salt
3. Less moisture
4. Temperature

**Options :**

86435194291. 1

86435194292. 2

86435194293. 3

86435194294. 4

Question Number : 57 Question Id : 86435127461 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one is the index organism for fecal contamination of water?

1. *S. Cerevisiae*
2. *P. notatum*
3. *E. coli*
4. *A. aceti*

**Options :**

86435194295. 1

86435194296. 2

86435194297. 3

86435194298. 4

Question Number : 58 Question Id : 86435127462 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the pH range for mold growth?

1. 2.5 to 8.0
2. 2.0 to 8.0
3. 6.5 to 7.5
4. 3.0 to 7.0

**Options :**

86435194299. 1

86435194300. 2

86435194301. 3

86435194302. 4

**Question Number : 59 Question Id : 86435127463 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which amino acid is present in highest amount in legumes?

1. Lysine
2. Cystine
3. Methionine
4. All of the above

**Options :**

86435194303. 1

86435194304. 2

86435194305. 3

86435194306. 4

**Question Number : 60 Question Id : 86435127464 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

AR cans are utilized for which kind of food materials?

1. Non-acidic food
2. Acidic food
3. Sulphur-rich food
4. All of the above

**Options :**

86435194307. 1

86435194308. 2

86435194309. 3

86435194310. 4



**Question Number : 61 Question Id : 86435127465 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Aluminium foils may act as good barrier for which factor?

1. Gas/vapour
2. Odour
3. Light
4. All of the above

**Options :**

86435194311. 1

86435194312. 2

86435194313. 3

86435194314. 4

**Question Number : 62 Question Id : 86435127466 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which component is act as flavouring agent for butter?

1. Sulphide
2. Diacetyl
3. Chloride
4. All of the above

**Options :**

86435194315. 1

86435194316. 2

86435194317. 3

86435194318. 4

**Question Number : 63 Question Id : 86435127467 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which enzyme is responsible for enzymatic browning?

1. Alpha amylase
2. Beta amylase
3. Polyphenol oxidase
4. Oxidoreductase

**Options :**

86435194319. 1

86435194320. 2

86435194321. 3

86435194322. 4

**Question Number : 64 Question Id : 86435127468 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which treatment can protect the enzymatic browning?

1. pH 6 to 7
2. Temperature 100 °C for 2 min to 3 min
3. Antioxidants BHA, BHT, tocopherol
4. All of the above

**Options :**

86435194323. 1

86435194324. 2

86435194325. 3

86435194326. 4

**Question Number : 65 Question Id : 86435127469 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which enzyme is an indicator for blanching?

1. Dehydrogenase
2. Catalase
3. Amylase
4. Oxidase

**Options :**

86435194327. 1

86435194328. 2

86435194329. 3

86435194330. 4

**Question Number : 66 Question Id : 86435127470 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which minerals are considered as chief extracellular ions of the body?

1. Sodium and potassium
2. Calcium and phosphorous
3. Chloride and fluoride
4. Zinc and cobalt

**Options :**

86435194331. 1

86435194332. 2

86435194333. 3

86435194334. 4

**Question Number : 67 Question Id : 86435127471 Question Type : MCQ Option Shuffling : No**



**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which statement is correct?

1. Bacteria require more moisture to grow.
2. Yeasts require more moisture to grow.
3. Molds require more moisture to grow.
4. Both 1 and 2

**Options :**

86435194335. 1

86435194336. 2

86435194337. 3

86435194338. 4

**Question Number : 68 Question Id : 86435127472 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The time in minutes at a specified temperature required to destroy 90% of the organisms in a population, is called as

1. D value
2. Z value
3. F value
4. Both 2 and 3

**Options :**

86435194339. 1

86435194340. 2

86435194341. 3

86435194342. 4

**Question Number : 69 Question Id : 86435127473 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which term refers to artificial drying under controlled condition?

1. Drying
2. Dehydration
3. Freezing
4. Refrigeration

**Options :**

86435194343. 1

86435194344. 2

86435194345. 3

86435194346. 4

**Question Number : 70 Question Id : 86435127474 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Kiln drier can reduce moisture content of food above

1. 5%
2. 10%
3. 15%
4. 20%

**Options :**

86435194347. 1

86435194348. 2

86435194349. 3

86435194350. 4

**Question Number : 71 Question Id : 86435127475 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which enzyme can be utilized for artificial tenderization of meat?

1. Bromelin
2. Ficin
3. Trypsin
4. All of these

**Options :**

86435194351. 1

86435194352. 2

86435194353. 3

86435194354. 4

**Question Number : 72 Question Id : 86435127476 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What are the percentages of fat, carbohydrate and protein in chocolate liquor?

1. 55% fat, 17% carbohydrate, 11% protein
2. 55% fat, 15% carbohydrate, 10% protein
3. 55% fat, 17% carbohydrate, 10% protein
4. 55% fat, 13% carbohydrate, 11% protein

**Options :**

86435194355. 1

86435194356. 2

86435194357. 3

86435194358. 4

**Question Number : 73 Question Id : 86435127477 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**



**Correct Marks : 4 Wrong Marks : 1**

What are the essential requirements for food packaging materials?

1. Non-toxic
2. Resistance to damage
3. Barrier to moisture, oxygen
4. All of these

**Options :**

86435194359. 1

86435194360. 2

86435194361. 3

86435194362. 4

**Question Number : 74 Question Id : 86435127478 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Peroxide value of stored oil indicates a degree of

1. hydrolysis
2. reversion of oil
3. oxidation of oil
4. lipolysis of oil

**Options :**

86435194363. 1

86435194364. 2

86435194365. 3

86435194366. 4

**Question Number : 75 Question Id : 86435127479 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which test is utilized to detect starch adulteration in milk and milk products?

1. Holde's test
2. Boudin's test
3. Iodine test
4. Both 1 and 2

**Options :**

86435194367. 1

86435194368. 2

86435194369. 3

86435194370. 4

**Question Number : 76 Question Id : 86435127480 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Head office of Food & Agriculture Organization (FAO) is located at

1. Geneva, Switzerland
2. Rome, Italy
3. London, England
4. Englewood Cliffs, USA

**Options :**

86435194371. 1

86435194372. 2

86435194373. 3

86435194374. 4

**Question Number : 77 Question Id : 86435127481 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which disease may cause due to nicotinic acid deficiency?

1. Beri beri
2. Marasmus
3. Pellagra
4. Anaemia

**Options :**

86435194375. 1

86435194376. 2

86435194377. 3

86435194378. 4

**Question Number : 78 Question Id : 86435127482 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following compounds is having the highest sweetness?

1. Sucrose
2. Glucose
3. Fructose
4. Xylose

**Options :**

86435194379. 1

86435194380. 2

86435194381. 3

86435194382. 4

**Question Number : 79 Question Id : 86435127483 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which acid is predominantly found in tamarind?

1. Citric acid
2. Malic acid
3. Tartaric acid
4. Oxalic acid

**Options :**

86435194383. 1

86435194384. 2

86435194385. 3

86435194386. 4

**Question Number : 80 Question Id : 86435127484 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which preservative can be utilized for colored juices?

1. Sodium benzoate
2. Sorbic acid
3. Potassium metabisulfite
4. Acetic acid

**Options :**

86435194387. 1

86435194388. 2

86435194389. 3

86435194390. 4

**Question Number : 81 Question Id : 86435127485 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which step is not belong to oil processing?

1. Degumming
2. Bleaching
3. Deodorization
4. Curing

**Options :**

86435194391. 1

86435194392. 2

86435194393. 3

86435194394. 4

**Question Number : 82 Question Id : 86435127486 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Packaging material comes direct in contact with food is called as

1. primary packaging
2. secondary packaging
3. tertiary packaging
4. quaternary packaging

**Options :**

86435194395. 1

86435194396. 2

86435194397. 3

86435194398. 4

**Question Number : 83 Question Id : 86435127487 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is cocoa butter?

1. Fat mixed with cocoa
2. Fat removed from chocolate liquor
3. Fat comes from cocoa
4. Fat mixed with chocolate

**Options :**

86435194399. 1

86435194400. 2

86435194401. 3

86435194402. 4

**Question Number : 84 Question Id : 86435127488 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Erucic acid is predominantly present in

1. rapeseed
2. mustard
3. soya bean
4. Both 1 and 2

**Options :**

86435194403. 1

86435194404. 2

86435194405. 3

86435194406. 4

**Question Number : 85 Question Id : 86435127489 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which compound is responsible for the formation of green color around egg yolk during cooking?

1. Ferrous chloride
2. Ferrous sulphate
3. Ferrous nitrite
4. Ferric chloride

**Options :**

86435194407. 1

86435194408. 2

86435194409. 3

86435194410. 4

**Question Number : 86 Question Id : 86435127490 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the isoelectric point of casein?

1. 2.7
2. 4.7
3. 3.5
4. 5.0

**Options :**

86435194411. 1

86435194412. 2

86435194413. 3

86435194414. 4

**Question Number : 87 Question Id : 86435127491 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

NDDDB is established in the year

1. 1970
2. 1965
3. 1971
4. 1977

**Options :**

86435194415. 1

86435194416. 2

86435194417. 3

86435194418. 4

**Question Number : 88 Question Id : 86435127492 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is radiation source?

1. Cobalt-60
2. Gamma-rays
3. Cesium-137
4. All of these

**Options :**

86435194419. 1

86435194420. 2

86435194421. 3

86435194422. 4

**Question Number : 89 Question Id : 86435127493 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The process intended to sterilize foods by destroying or inactivating microorganisms that contribute to spoilage, including vegetative bacteria is

1. radappertization
2. radurization
3. radication
4. All of these

**Options :**

86435194423. 1

86435194424. 2

86435194425. 3

86435194426. 4

**Question Number : 90 Question Id : 86435127494 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one acts as catalyst during hydrogenation of oil?

1. Fe
2. Na
3. Ni
4. K

**Options :**

86435194427. 1

86435194428. 2

86435194429. 3

86435194430. 4

**Question Number : 91 Question Id : 86435127495 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which one is the rich source of vitamin D?

1. Cod liver oil
2. Fish liver oil
3. Cereals
4. Both 1 and 2

**Options :**

86435194431. 1

86435194432. 2

86435194433. 3

86435194434. 4

**Question Number : 92 Question Id : 86435127496 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Zymase enzyme is responsible for converting glucose into

1. alcohol
2. CO<sub>2</sub>
3. acid
4. Both 1 and 2

**Options :**

86435194435. 1

86435194436. 2

86435194437. 3

86435194438. 4

**Question Number : 93 Question Id : 86435127497 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the percentage of protein in oil seeds?

1. 5%–10%
2. 10%–12%
3. 15%–30%
4. 16%–20%

**Options :**

86435194439. 1

86435194440. 2

86435194441. 3

86435194442. 4

**Question Number : 94 Question Id : 86435127498 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Adulteration of vanaspati ghee may test by

1. Holde's test
2. Boudin's test
3. Peroxidase test
4. Both 1 and 3

**Options :**

86435194443. 1

86435194444. 2

86435194445. 3

86435194446. 4

**Question Number : 95 Question Id : 86435127499 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How many times more Talin is sweeter than sucrose?

1. 3000
2. 5000
3. 2000
4. 1000

**Options :**

86435194447. 1

86435194448. 2

86435194449. 3

86435194450. 4

**Question Number : 96 Question Id : 86435127500 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How many types of rancidity are there?

1. Hydrolytic
2. Oxidative
3. Ketonc
4. All of these

**Options :**

86435194451. 1

86435194452. 2

86435194453. 3

86435194454. 4

**Question Number : 97 Question Id : 86435127501 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



The most common fumigant is

1. ethylene dibromides
2. ethylene chloride
3. carbon tetrachloride
4. All of these

**Options :**

86435194455. 1

86435194456. 2

86435194457. 3

86435194458. 4

**Question Number : 98 Question Id : 86435127502 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following may act as the anti-foaming agent?

1. Dimethyl
2. Polysiloxane
3. Glycerol monostearae
4. Both 1 and 2

**Options :**

86435194459. 1

86435194460. 2

86435194461. 3

86435194462. 4

**Question Number : 99 Question Id : 86435127503 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The principal acid used in carbonated beverages is

1. phosphoric acid
2. citric acid
3. fumaric acid
4. All of these

**Options :**

86435194463. 1

86435194464. 2

86435194465. 3

86435194466. 4

**Question Number : 100 Question Id : 86435127504 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Flat sour' defect of canned foods may be generated by

1. B. coagulans
2. B. stearothermophilus
3. B. subtilis
4. Both 1 and 2

**Options :**

86435194467. 1

86435194468. 2

86435194469. 3

86435194470. 4