

PREVIEW QUESTION BANK

Module Name : Fish Processing Technology-ENG
Exam Date : 09-Jul-2023 Batch : 14:30-16:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	2001	Which one of the following is not one of the features of parliamentary form of government? 1. Majority party rule 2. Collective Responsibility 3. Integrated and Independent Judiciary 4. Dissolution of the lower house A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	2002	Which of the following term implies that 'India is a neither a dependency nor a dominion of any other nation'? 1. Socialist 2. Sovereign 3. Secular 4. Democratic A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	2003	Which of the following form the maximum water composition on the earth's surface? 1. Oceans 2. Ice caps 3. Glaciers 4. Lakes A1 : 1 A2 : 2	4.0	1.00

		A3 : 3		
		A4 : 4		
Objective Question				
4	2004	Which one of the following does not fall under the category of 'biomes? 1. Forest 2. Sky 3. Desert 4. Grassland A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
5	2005	IUCN publishes information about which of the following species as Red List of threatened species? 1. Endangered Species 2. Vulnerable Species 3. Extinct Species 4. Rare Species A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
6	2006	Who was the first Indian to win an individual medal in Olympics? 1. Milkha Singh 2. Karnam Malleshwari 3. P. T. Usha 4. K. D. Jadhav A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
7	2007	Who among the following reformers founded "Arya Samaj"? 1. Raja Ram Mohan Roy 2. Swami Dayananda Saraswati 3. Atmaram Pandurang 4. Ishwarchandra Vidyasagar A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
8	2008	What does "Triratna" mean in Buddhism? 1. Tripitaka 2. Buddha, Dhamma (dharma), Sangha 3. Satya, Ahimsa, Karuna 4. Sheel, Samadhi, Sangha A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
9	2009	Who started the Indian Reforms Association? 1. Narayan Guru 2. Swami Vivekananda 3. Krishna swami Aiyar 4. Keshav Chandra Sen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				

10	2010	Consider the following statements (A). UN General Assembly has declared 2023 as the international year of millets (B). Odisha govt. ropes in FICCI to promote millets globally (C). Odisha Millets Mission is a flagship programme of the Odisha government to revive millets in farms and on plates Choose the correct answer from the options given below: 1. (A) and (B) only. 2. (B) and (C) only. 3. (A) and (C) only. 4. (A), (B) and (C). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

11	2011	Phomopsis blight occurs in which of the following crops? 1. Brinjal 2. Bajra 3. Sugarcane 4. Potato A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

12	2012	Endemic pests can be described as? 1. Pest occurs in a few specific area. 2. Pest occurs in same area, year after year. 3. Pest occurs frequently in current season in abundance. 4. Pest occurs in severe form. A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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		A4 : 4		
Objective Question				
13	2013	Which country is the largest producer of raw silk? 1. Japan 2. India 3. China 4. South Korea A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	2014	Transfer of Ownership is the example of which utility..... 1. Time utility 2. Place utility 3. Possession utility 4. Form utility A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
15	2015	What happens to the total number of chromosomes during mitotic cell division? 1. gets doubled 2. gets halved 3. remains the same 4. divides into four A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

16	2016	What is the minimum forest cover to be maintained as per the National Forest Policy, 1988? 1. One-half 2. One-third 3. One-fourth 4. Two-third A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

17	2017	Who among the following is known as the "Father of Agronomy"? 1. Stephen Hales 2. Gregor Johann Mendel 3. Peter Decresenzi 4. D N Walia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

18	2018	Which of the following plant hormones helps in shoot elongation? 1. Auxin 2. Gibberellic acid 3. Absciscic acid 4. Cytokinin A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

19	2019		4.0	1.00
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		Select from the following the chemical property of soil..... 1. Colour 2. pH 3. Texture 4. Structure A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
20	2020	The process of separating quality grains from chaff is called as..... 1. Winnowing 2. Threshing 3. Harvesting 4. Tilling A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
21	121001	Given below are two statements: Statement (I): All whales are dolphins. Statement (II): All dolphins are whales. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
22	121002	'Super red monkey' is a variety of which ornamental fish? 1. Gold fish 2. Flowerhorn cichlid 3. Seahorse 4. Damsel fish A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
23	121003	Specialised cells present in gills of teleosts that help in osmoregulation are 1. Cyanocytes 2. Neuromasts 3. Chloride cells 4. Mauthner cells A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
24	121004	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Groupers are protogynous hermaphrodites. Reason (R) : Groupers first function as females and later transform into males. In light of the above statements, choose the <i>correct</i> answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
25	121005	Y-organ in crustaceans is the source of 1. Moulting hormone 2. Moulting-inhibiting hormone 3. Vitellogenesis inhibiting hormone 4. Crustacean hyperglycemic hormone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
26	121006	Direct development is seen in which of the following group of molluscs? 1. Mussels 2. Gastropods 3. Oysters 4. Cephalopods A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
27	121007	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : The fish heart is called venous heart. Reason (R) : Fish heart pumps only deoxygenated blood as blood does not return to heart after oxygenated in gills. In light of the above statements, choose the <i>correct</i> answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
28	121008	Which of the following is <i>NOT</i> qualified in the Myers' 2000 edition of the biodiversity hotspot map of India? 1. Western ghats 2. Sunderban 3. Sundaland 4. Indo-Burman region A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	121009	'MAB' a programme launched by UNESCO, stands for 1. Marine Biodiversity 2. Man and the Bioversity 3. Man and the Biosphere 4. Marine Algal Bloom A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
30	121010	Arrange the following lakes starting from the northernmost to the southernmost part of India (A). Pulicat (B). Lower Lake (C). Dal (D). Ashtamudi (E). Chilika Choose the correct answer from the options given below: 1. (C), (B), (E), (A), (D). 2. (A), (C), (D), (E), (B). 3. (C), (B), (D), (A), (E). 4. (D), (E), (A), (B), (C). A1 : 1	4.0	1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

31	I21011	Given below are two statements: Statement (I): Coral reefs cover only about 0.2% of the seafloor. Statement (II): Coral reefs support at least 25% of marine species. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are true. - Both Statement (I) and Statement (II) are false. - Statement (I) is true but Statement (II) is false. - Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

32	I21012	Identify the fish species given in the picture  <i>Scomberomorus guttatus</i> <i>Euthynnus affinis</i> <i>Thunnus albacares</i> <i>Katsuwonus pelamis</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

33	I21013		4.0	1.00
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Match **List-I** with **List-II**

List-I	List-II
(Fish species)	(State)
(A). <i>Neolissochilus hexagonolepis</i>	(I). Manipur
(B). <i>Ompok bimaculatus</i>	(II). Nagaland
(C). <i>Osteobrama belangeri</i>	(III). Mizoram
(D). <i>Semiplotus modestus</i>	(IV). Tripura

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
4. (A) - (I), (B) - (IV), (C) - (II), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

34 I21014

4.0 1.00

The most abundant primary greenhouse gas in the Earth's atmosphere is

1. Carbon dioxide
2. Ozone
3. Water vapour
4. Nitrous oxide

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

35 I21015

4.0 1.00

Which one of the United Nations Sustainable Development Goals deals with 'Life below Water'?

1. Sustainable Development Goal 2
2. Sustainable Development Goal 6
3. Sustainable Development Goal 12
4. Sustainable Development Goal 14

A1 : 1

		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

36	I21016	Which of the following amino acid is found in high amount in a fish? 1. Lysine 2. Alanine 3. Tryptophan 4. Valine A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

37	I21017	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Freshwater fishes have low EPA and DHA than marine fishes. Reason (R) : Marine fishes feed on zooplankton rich in PUFA where as freshwater fishes feed on plants and vegetation. In light of the above statements, choose the <i>correct</i> answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true and (R) is not the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

38	I21018		4.0	1.00
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Lipid oxidation is initiated by which of the following enzymes?

- (A). Lipases
- (B). Lipoxygenases
- (C). Lipoproteinases
- (D). Peroxidases
- (E). Microbial enzymes from animal sources

Choose the **correct** answer from the options given below:

- 1. (A), (C), (D) and (E) only.
- 2. (A), (B), (C) and (D) only.
- 3. (B), (D) and (E) only.
- 4. (A), (B), and (C) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

39	121019	Given below are two statements: Statement (I): Free radical scavengers inhibit lipid oxidation Statement (II): Free radical scavengers react faster with free radicals than free radicals with unsaturated fatty acids In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are False. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

40	121020	Application of a layer of ice coating to frozen fish is 1. Blanching 2. Glazing 3. Trimming 4. Thawing	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
41	121021	In a fish can, the swell in which the ends are permanently distended is called 1. Flipper 2. Springer 3. Hard swell 4. Soft swell A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
42	121022	The product prepared by digestion of fish using proteolytic enzyme at optimum temperature and time is 1. Fish meal 2. Fish Protein Hydrolysate 3. Marine beef 4. Fish paste A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
43	121023	The following component of batter helps in releasing carbon dioxide 1. Xanthan 2. Tartaric acid 3. Egg albumin 4. Milk A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

44	121024	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Presence of air in steam reduces efficiency of retort. Reason (R) : Air is heavier than steam and tends to settle below steam. In light of the above statements, choose the <i>correct</i> answer from the options given below. - Both (A) and (R) are true and (R) is the correct explanation of (A). - Both (A) and (R) are true and (R) is not the correct explanation of (A). (A) is true but (R) is false. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

45	121025	Which of the following can be used to prevent drip loss? (A). Potassium dihydrogen phosphate (B). Sodium tripolyphosphate (C). Maleate (D). Sodium dihydrogen phosphate (E). Sodium chloride Choose the correct answer from the options given below: (A), (C), (D),and (E) only. (A), (B), (C) and (D) only. (A), (B), (D), and (E) only. (B), (C), (D), and (E) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

46	121026	Which of the following are Specific spoilage microorganisms (SSO) in iced fish? (A). <i>Photobacterium phosphoreum</i> (B). <i>Pseudomonas</i> spp (C). <i>Shewanella putrefaciens</i> (D). <i>Aeromonas hydrophila</i> (E). <i>Clostridium botulinum</i> Choose the correct answer from the options given below: 1. (A), (B) (C) and (D) only. 2. (A), (B) and (C) only. 3. (B), (C) and (D) only. 4. (B) and (C) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

47

121027

4.0

1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Monosaccharide	(I). Maltose
(B). Oligosaccharides	(II). Distarch adipate
(C). Stabilised Starch	(III). Triose
(D). Cross linked starch	(IV). Starch acetate

Choose the **correct** answer from the options given below:

1. (A)-(III), (B)-(IV), (C)-(I), (D)-(II)

2. (A)-(IV), (B)-(III), (C)-(I), (D)-(II)

3. (A)-(II), (B)-(IV), (C)-(I), (D)-(III)

4. (A)-(III), (B)-(I), (C)-(IV), (D)-(II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

48	121028		4.0	1.00
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Match **List-I** with **List-II**

List-I	List-II
A. Block ice	I. 2-3 mm
B. Flake ice	II. 0.2-1.3 mm
C. Tube ice	III. 125-450 mm
D. Slush ice	IV. 10-12 mm

Choose the **correct** answer from the options given below:

1. (A)-(III), (B)-(IV), (C)-(II), (D)-(I)
2. (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
3. (A)-(III), (B)-(II), (C)-(IV), (D)-(I)
4. (A)-(IV), (B)-(I), (C)-(II), (D)-(III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

49 121029

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
A. Phenolic enamel	I. Epichlorohydrin and bisphenol
B. Epoxy enamel	II. Copolymerisation of vinyl chloride and vinyl acetate
C. Polyester enamel	III. Reaction of phenol and formaldehyde
D. Vinyl Lacquer	IV. Esterification of polycarboxylic acid with polyhydric alcohols

Choose the **correct** answer from the options given below:

1. (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
2. (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
3. (A)-(II), (B)-(IV), (C)-(I), (D)-(III)
4. (A)-(III), (B)-(I), (C)-(IV), (D)-(II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

50121030

4.01.00

Match **List-I** with **List-II**

List-I	List-II
A. Under processing	I. Chemical spoilage
B. Internal corrosion	II. Physical spoilage
C. Faulty retort	III. Miscellaneous
D. Rust	IV. Microbial spoilage

Choose the **correct** answer from the options given below:

1. (A)-(II), (B)-(III), (C)-(I), (D)-(IV)

2. (A)-(II), (B)-(I), (C)-(IV), (D)-(III)

3. (A)-(III), (B)-(I), (C)-(II), (D)-(IV)

4. (A)-(IV), (B)-(I), (C)-(II), (D)-(III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

51	121031	Pump-fed aqua farms are best suited for 1. Semi-intensive culture system 2. Semi-intensive and intensive culture system 3. Intensive culture system 4. Extensive culture system A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

52	121032	The most common timber for dug-out canoes 1. <i>Mangifera indica</i> 2. <i>Tectona hamiltoniana</i> 3. <i>Tectona grandis</i> 4. <i>Palaquium spp.</i> A1 : 1	4.0	1.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

53	I21033	An all-around white light is expected to be displayed by a small boat length 1. up to 7m long 2. up to 10ft long 3. up to 7ft long 4. up to 10m long A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

54	I21034	Pair trawling is a fishing activity carried out by 1. Four boats with one towing each warp 2. Single boat with only one towing warp 3. Three boats with one towing each warp 4. Two boats with one towing each warp A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

55	I21035	A vapour compression heat pump has 1. Condenser, evaporator, and compressor 2. Condenser, expansion valve and compressor 3. Receiver, evaporator, and compressor 4. Receiver, expansion valve and compressor A1 : 1 A2 : 2	4.0	1.00
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		A3 : 3		
		A4 : 4		

Objective Question

56	I21036	The following water pumps, with their usual range of operation, are ideal in almost all brackishwater fish farms or ponds 1. Radial-flow propeller pump with TDH of up to 6.5 m 2. Axial-flow propeller pump with TDH of up to 7.5 m 3. Mixed-flow propeller pump with TDH of up to 4.5 m 4. Deep-well turbine pump TDH of up to 4.5 m A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

57	I21037	Out-trigger canoes are used for fishing in 1. West Bengal 2. Andhra Pradesh 3. Andaman and Nicobar Islands 4. Kerala A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

58	I21038	NAVSTAR stands for 1. Navigation with System Timing and Ranging 2. Nautical with Satellite Timing and Ranging 3. Navigational System Tracking and Range 4. Nautical with System Timing and Ranging A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

59	I21039	Given below are two statements: Statement (I): Purse seining is a non-selective fishing method. Statement (II): Currently, no regulations exist for minimising the bycatch of protected species in purse seine fisheries. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are in correct. - Statement (I) is correct but Statement (II) is incorrect. - Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

60	I21040	The leakage in the refrigeration system using freon is detected by - Sulphur sticks - Acetylene torch - Halide torch - Soap water A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

61	I21041	A universal process of change in community composition on an ecological time scale is called - Displacement - Evolution - Succession - Extinction A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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		A4 : 4		
Objective Question				
62	121042	Biodiversity index, which measures the probability that two individuals randomly selected from a sample will belong to same species, is 1. Shannon diversity index 2. Pielou Evenness index 3. Manon index 4. Simpson index A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	121043	Bioaugmentation involves 1. Eliminating sludge 2. Plants usage for bioremediation 3. Addition of microbes to a clean-up site 4. Bioventing A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
64	121044	The highest dose that has no harmful effect on a population is known as 1. NOAEL 2. NOEL 3. NOAL 4. NOPA A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

65	121045	Where is the Secretariat of the Organization for Economic Co-operation and Development (OECD)? 1. Tokyo, Japan 2. London, UK 3. Paris, France 4. New York, USA A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

66	121046	Genetically different population with the same physical features is known as 1. Ecosystem 2. Ecads 3. Community 4. Ecotype A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

67	121047	All of the following species are considered coliforms, EXCEPT 1. <i>Enterobacter aerogenes</i> 2. <i>Klebsiella pneumoniae</i> 3. <i>Salmonella typhi</i> 4. <i>Escherichia coli</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

68	121048	In the context of the environment the term "dirty dozen" refers to 1. 12 Ozone layer depleting substances 2. 12 persistent organic pollutants 3. 12 most harmful greenhouse gases 4. 12 most degraded ecosystems A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

69	121049	ISO 14000 standards are for the 1. Quality Management System 2. Environmental Management System 3. Administration 4. Supply chain A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

70	121050	The first EIA notification was promulgated by the then Ministry of Environment and Forests in the year of 1. 1986 2. 1991 3. 1994 4. 2006 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

71	1002551		4.0	1.00
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		Non-essential amino acids are synthesised in liver by the enzyme 1. Aminase 2. Transaminase 3. Alcalase 4. Peptidase A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
72	1002552	The following is a good source of Vitamin E 1. Salmon 2. Catla 3. Krill 4. Elasmobranchs A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
73	1002553	During handling and storage, the sarcoplasmic protein retained is 1. Haemoglobin 2. Myoglobin 3. Oxyhaemoglobin 4. Haemocyanin A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
74	1002554		4.0	1.00

Most abundant saturated fatty acid in fish is

1. Margoric acid
2. Palmitic acid
3. Pentadecanoic acid
4. Stearic acid

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

75	1002555	3,6-anhydro ring is an internal ether of the following Polysaccharide 1. Furcellaran 2. Potato starch 3. Corn starch 4. Sucrose A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

76	1002556	The heat penetration inside the fish can during the retorting operation is measured by 1. Mercury thermometer 2. Thermocouple 3. Barometer 4. Calorimeter A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

77	1002557		4.0	1.00
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		The compound added to meat to protect protein and prevent its functionality during frozen storage is 1. Emulsifier 2. Cryoprotectant 3. Leavening agent 4. Antioxidant A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
78	1002558	Bacterial population in fish is highest on 1. Skin 2. Intestine 3. Gills 4. Fins A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
79	1002559	Melanin is a polymer of 1. Indole- 4,5, quinone 2. Indole- 4,6, quinone 3. Indole- 5,6, quinone 4. Indole- 6,7, quinone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
80	1002560		4.0	1.00

		The microorganism that can survive freezing is 1. <i>Pseudomonas spp.</i> 2. <i>Vibrio spp.</i> 3. <i>Flavobacterium spp.</i> 4. <i>Micrococcus spp.</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

81	1002561	Poor commercial acceptability of Fish Protein concentrate is due to 1. Residual solvent in product 2. More protein 3. High fat 4. Use of enzymes A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

82	1002562	The initial setting of gel (Suwari) usually occurs at a temperature of 1. 10-20 °C 2. 20-30°C 3. 40-50°C 4. 60-70°C A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

83	1002563		4.0	1.00
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		Cryoprotectant composition commonly used in fish mince/ surimi is 1. 4% Sugar, 4% Sorbitol, 0.3% PolyPhosphate 2. 4% Ascorbic acid , 4% Sorbitol, 1% PolyPhosphate 3. 4% Sugar, 4% Cysteine,1.5% PolyPhosphate 4. 4% Sugar, 4% Cysteine , 0.3% Ascorbic acid A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
84	1002564	The dominant microorganism in spoiled mince is 1. Micrococcus 2. Acinetobacter 3. Vibrio 4. Aeromonas A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
85	1002565	The following is a freshness indicator. 1. FreshTag® 2. Vitsab® 3. Fresh-Check™ 4. Product Process Package A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
86	1002566		4.0	1.00

		In process quality control of frozen fish and fishery products was introduced in 1. 1976 2. 1977 3. 1978 4. 1979 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
87	1002567	The following is a Quality Management Standard 1. BRC 2000 2. IFS 2002 3. SQF 2004 4. ISO 22000 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
88	1002568	The main biological hazard of smoked product notified in RASFF from 1980- 2014 1. <i>Salmonella spp.</i> 2. <i>Vibrio spp.</i> 3. <i>Listeria monocytogenes</i> 4. <i>Escherichia coli</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
89	1002569		4.0	1.00

		Indian code for sanitary conditions for food processing units is 1. IS:1172-1971 2. IS: 661-1974 3. IS:7655-1975 4. IS:2491-1963 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

90	1002570	For a company undertaking product development and manufacture should follow 1. ISO 9001 2. ISO 9002 3. ISO 9003 4. ISO 14000 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

91	1002571	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Elasmobranchs have less concentration of Vitamin D than teleost fishes. Reason (R): Elasmobranchs require less Vitamin D for calcification of their structural tissues. In light of the above statements, choose the <i>correct</i> answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true, and (R) is not the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question				
92	1002572	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Postmortem pH of fish after death is related to carbohydrate. Reason (R) : Glycogen reserves are depleted producing lactic acid due to stress before death. In light of the above statements, choose the <i>correct</i> answer from the options given below. - Both (A) and (R) are true and (R) is the correct explanation of (A). - Both (A) and (R) are true and (R) is not the correct explanation of (A). (A) is true but (R) is false. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
93	1002573	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Chemical spoilage is due to leaching of compounds from can into food. Reason (R) : Discolouration in food is due to proper cooling immediately after heat processing. In light of the above statements, choose the <i>correct</i> answer from the options given below. - Both (A) and (R) are true and (R) is the correct explanation of (A). - Both (A) and (R) are true and (R) is not the correct explanation of (A). (A) is true but (R) is false. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	1002574		4.0	1.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Drying fish at faster rate causes Case Hardening.

Reason (R) : The surface layer of fish dries faster and forms impermeable barrier when dried at faster rate.

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true and (R) is not the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

95	1002575	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Clauses 1-3 of ISO22000 are considered as auditable. Reason (R) : ISO22000 has no guidelines for implementation of standard. In light of the above statements, choose the <i>correct</i> answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true and (R) is not the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

96	1002576		4.0	1.00
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Identify the microelements that are rich in crustaceans

- (A). Iron
- (B). Zinc
- (C). Copper
- (D). Manganese

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (D) only.
- 2. (A), (B) and (C) only.
- 3. (A), (B), (C) and (D).
- 4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

97	1002577	Which of the following changes occur during cooking of fish?	4.0	1.00
(A). Tissue softens (B). Protein denaturation (C). Loss of moisture (D). Increased enzymatic activity				
Choose the correct answer from the options given below:				
1. (A), (B) and (D) only. 2. (A), (B) and (C) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only.				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

98	1002578		4.0	1.00
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Which of the following substance are responsible for the flavour of products prepared from fish mince?

- (A). Carbohydrate
- (B). Free amino acid
- (C). Nucleotide
- (D). Volatile compounds

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (D) only.
- 2. (A), (B) and (C) only.
- 3. (A), (B), (C) and (D).
- 4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

99	1002579		4.0	1.00
The microorganisms that survive in cook-chill process are (A). <i>Salmonella</i> spp. (B). <i>Shewanella</i> spp. (C). <i>Clostridium</i> spp. (D). <i>Listeria</i> spp. Choose the correct answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (C) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4				

Objective Question

100	1002580		4.0	1.00
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The Polyester layer in Retort pouch exhibits which of the following properties?

- (A). Abrasion Resistance
- (B). Gives Pouch Strength
- (C). Heat seal
- (D). Printing

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (D) only.
- 2. (A), (B) and (C) only.
- 3. (A), (B), (C) and (D).
- 4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

101	1002581	The purpose of pre-dusting is (A). Adhesion to batter (B). Slipping of product (C). Increase batter pickup (D). Help in forming structure Choose the correct answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (C) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

102	1002582		4.0	1.00
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The purpose of conditioning live fish before transportation is to

- (A). Reduce stress
- (B). Inhibit metabolism
- (C). Remove Off odours
- (D). Increase oxygen demand

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (C) only.
- 2. (A), (B) and (D) only.
- 3. (A), (B), (C) and (D).
- 4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103	1002583	Chitosan is used as edible film due to the following functions (A). Antimicrobial property (B). Low film forming ability (C). Selectively permeable to gases (D). Good mechanical properties Choose the correct answer from the options given below: 1. (A), (C) and (D) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

104	1002584		4.0	1.00
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Given below are two statements:

Statement (I): Fading of Pink/red colour of skin during chilled storage is due to oxidation of carotenoids.

Statement (II): Polyphenol is found in the zymogen form on exoskeleton of crustaceans.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

105	1002585	Given below are two statements: Statement (I): Fishery products do not fall under the WTO agreement on Agriculture. Statement (II): Fishery products are discussed under Non-agricultural market Access. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

106	1002586	Given below are two statements: Statement (I): <i>Salmonella</i> spp. produce acid and gas on TSI agar using lactose. Statement (II): <i>Campylobacter</i> spp. survive best at chilled temperature. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true.	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
107	1002587	Given below are two statements: Statement (I): Radurization method is used for extension of shelf life of fresh fishery products. Statement (II): Radicidation eliminates pathogenic micro organisms of frozen fishery products. In light of the above statements,choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are true. - Both Statement (I) and Statement (II) are false. - Statement (I) is true but Statement (II) is false. - Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
108	1002588	Given below are two statements: Statement (I): Squalene is highly unsaturated isoprenoid compound. Statement (II): Squalene is a anticancer agent. In light of the above statements,choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are true. - Both Statement (I) and Statement (II) are false. - Statement (I) is true but Statement (II) is false. - Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
109	1002589		4.0	1.00

Given below are two statements:

Statement (I): Anti-microbial peptides play a crucial role in innate immunity.

Statement (II): Anti-tumour peptides discovered from marine organisms.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

110	1002590	Given below are two statements: Statement (I): Ideal Gas to product (G/P) ratio of CO₂ in MAP is 2:3. Statement (II): <i>Shewanella putrefaciens</i> is the specific spoilage microorganism in vacuum packaging. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are true. 2. Both Statement (I) and Statement (II) are false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

111	1002591		4.0	1.00
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Match **List-I** with **List-II**

List-I	List-II
(A). Calcium	(I). Principal electrolyte for osmotic pressure and water balance
(B). Phosphorous	(II). Helps in absorption of Vitamin B ₁₂ in ileum
(C). Sodium	(III). Formation of HCl in gastric juice and activation of amylase
(D). Chlorine	(IV). Vital for DNA and RNA formation

Choose the **correct** answer from the options given below:

- (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
- (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

112 1002592

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Astaxanthin	(I). 7-Dehydrocholesterol
(B). Zeaxanthin	(II). Red carotenoid
(C). Provitamin D3	(III). Antioxidant
(D). α -Tocopherol	(IV). Yellow orange

Choose the **correct** answer from the options given below:

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
- (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

1131002593

4.01.00

Match **List-I** with **List-II**

List-I	List-II
(A). Histidine	(I). Hypoxanthine
(B). Inosine	(II). TMA
(C). Tryptophan	(III). Histamine
(D). TMAO	(IV). Indole

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

2. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)

3. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)

4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

114

1002594

4.0

1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Electrostatic filter	(I). Mould & yeast inhibitor in pickles
(B). Sorbates	(II). Metal chelator
(C). Nitrites	(III). Reduce the amount of Benzopyrene
(D). EDTA	(IV). Stabilizes colour and flavour development

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

2. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)

3. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)

4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

115 I002595

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Pickle salting	(I). Pulling of intestine and entrails through the gill region without split open
(B). Pit curing	(II). Malabar tamarind
(C). Colombo curing	(III). Palmyrah/ Coconut leaves
(D). Mona curing	(IV). Self-brine

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
3. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

116 I002596

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(A). FSSC 22000	(I). 2003
(B). Safe Quality Food	(II). 1998
(C). British Retail Consortium	(III). 1994
(D). International Features Standard	(IV). 2009

Choose the **correct** answer from the options given below:

1. (A)-(III),(B)-(IV), (C)-(II),(D)-(I)
2. (A)-(IV),(B)-(III), (C)-(I),(D)-(II)
3. (A)-(IV),(B)-(III), (C)-(II),(D)-(I)
4. (A)-(III),(B)-(I), (C)-(IV),(D)-(II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

117 1002597

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Tetramine	(I). Meat of Escolor and Oil fish
(B). Haff disease	(II). Salivary glands of whales
(C). Gempylotoxin	(III). Sardines
(D). Clupeotoxin	(IV). Eel and Pike

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

118 1002598

4.0 1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Ambergris	(I). Extraction of fish insulin
(B). Fullers Earth	(II). Plastein synthesis
(C). Chemotrypsin	(III). Bleaching and Deodorization of fish oil
(D). Dudleys Method	(IV). Tricyclic Triterpine Alcohol

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
2. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (I V), (B) - (III), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 1002599

4.0

1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Fish Peptone	(I). Swells in hot water and doesnot dissolve in alcohol
(B). Isinglass	(II). Not coagulated on heat
(C). Chitosan	(III). Guanin
(D). Pearl essence	(IV). Haemostatic agent

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
4. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

120 1002600

4.0

1.00

Match **List-I** with **List-II**

List-I	List-II
(A). Precursor of serotonin	(I). Histidine
(B). Removing of heavy metals from body	(II). Glysine
(C). Treatment of liver disorders	(III). Tryptophan
(D). Enhancing antioxidant activity and prevent tissue injury	(IV). Methionine

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
2. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

		A3 : 3		
		A4 : 4		