PREVIEW QUESTION BANK

Module Name : Fishing Technology and Engineering - 51-ENG
Exam Date : 29-Jun-2024 Batch : 14:30-16:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	201	Movement of DNA from one bacterium to another through a tubular bridge or pilus: 1. Conjugation 2. Transposition 3. Transfection 4. Transduction A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	202	Which of the following is responsible for eliminating toxic oxygen by-products from cells? 1. Mitochondria 2. Golgi complex 3. Peroxisomes 4. Chloroplasts A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	203	A form of multiple parasitism in which a parasite preferentially attacks a host that is already parasitized by another species is known as 1. Cleptoparasitism 2. Ectoparasitoid 3. Obligate parasitism 4. Superparasitism A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
4	204	For mass multiplication of DD-136 nematode, the common host used is 1. Silk moth 2. Fruit sucking moth 3. Codling moth 4. Lesser wax moth A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
5	205	Chlorpyriphos methyl is effective against stored product insects except 1. *Rhizopertha dominica* 2. *Tribolium castaneum* 3. *Caryedon serratus* 4. *Oryzaephilus surinamensis* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
6	206	Which of the following insects often cause inhalational allergies in human following large emergence of adult insects 1. Stick insects 2. May flies 3. Ear wigs 4. Preying mantis A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
7	207	Given below are two statements: Statement (I): Climate is a weather condition related to smaller areas at a given place and at a given time, Statement (II): Weather is a condition of atmosphere at a given place and at a given time In light of the above statements, choose the *most appropriate* answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
8	208	The local name of cyclone in Phillippines is 1. Hurricane 2. Cyclone 3. Baquio 4. Typhoon A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
9	209		4.0	1.00

		Which one of the following are secondary tillage implements? (A).Subsoiler (B).Cultivator (C).Disc harrow (D).Wetland plough Choose the ***correct*** answer from the options given below: 1. (A), (B) and (D) only. 2. (B) and (C) only. 3. (B), (C) and (D). 4. (B) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
10	210	_____ is the most suitable, drought resistant and persistant grass? 1. *Atylosia sp.* 2. *Cenchrus ciliaris* 3. *Stylosanthes hamata* 4. *Sorghum bicolor* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
11	211	The rainfed area in India is aproximately 1. 30 mha 2. 40 mha 3. 57 mha 4. 70 mha A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
12	212	Which nutrient is often a limiting factor in agricultural production? 1. Nitrogen 2. Carbon 3. Oxygen 4. Hydrogen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
13	213	What is a potential disadvantage of agroforestry systems? 1. Increased soil erosion 2. Decreased carbon sequestration 3. Reduced biodiversity 4. Enhanced susceptibility to pests A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	214	Pungency in mustard oil is due to 1. Amino acid 2. Allyl isothiocyanate 3. Erusic acid 4. Oxalic acid A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
15	215	Sesamum belongs to the family 1. Chenopodiaceae 2. Papilionaceae 3. Leguminosae 4. Pedaliaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
16	216	Dark period is critical in which type of plant? 1. Short day plant 2. Long day plant 3. Day neutral plant 4. All the options A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
17	217	Which of the following is NOT a significant contributor to greenhouse gas emissions from livestock farming? 1. Carbon dioxide 2. Methane 3. Nitrous oxide 4. Ammonia A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
18	218	Fe deficiency is mostly seen in crops growing on 1. Calcareous or alkaline soils 2. Salt affected soils 3. Acidic soils 4. Neutral soils A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
19	219	EDV (Essentially Derived Varieties) are those which are derived from: 1. crossing two commercially known varieties 2. hybrid introduced from other countries 3. existing variety through genetic engineering or mutation 4. crossing commercially known variety with its wild relative A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
20	220	What is the role of "companion planting" in agriculture? 1. Enhancing soil fertility through crop rotation 2. Growing different crop species together to deter pests 3. Cultivating plants in hydroponic system 4. Increasing soil compaction through cover cropping A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

21 | 2201 | 4.0 | 1.00

Which among the following is an exotic carp farmed in India?

1. *Labeo calbasu*
2. *Cirrhinus mrigala*
3. *Amblypharyngodon mola*
4. *Ctenopharyngodon idella*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

22 | 2202 | 4.0 | 1.00

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

List-I	**List-II**
(A). Mariculture	(I). *Labeo rohita*
(B). Marine fisheries	(II). *Tor putitora*
(C). Cold-water	(III). *Sardinella longiceps*
(D). Freshwater	(IV). *Trachinotus blochii*

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

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

Objective Question

23 | 2203 | 4.0 | 1.00

		Which among the following is correct about the marine fish stock status 2022 in India? 1. >90% healthy stocks 2. 70.1% healthy stocks 3. <50% healthy stocks 4. <25% healthy stocks A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
24	2204	Essential fish habitats such as coral reefs are challenged because of 1. Increasing sea water temperature in tropical region 2. Fishing 3. Over-exploitation 4. *Tsunami* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
25	2205	Multi-stage stratified random sampling method is used for estimating 1. Marine Fish Landing 2. Marine Fishing Effort 3. Marine Fish Landing and Effort 4. Marine Fisheries Census A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
26	2206		4.0	1.00

		The Trophic Level of top level predatory fish will be between 1. 2.51-3.00 2. > 4.01 3. 2.00-2.50 4. 3.51-4.00 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
27	2207	The definitive indication of a "spawning" ovary in finfish histology is the presence of 1. Small, clear oocytes 2. Hydrated oocytes 3. Oocytes with vitellogenesis 4. Post-ovulatory follicles A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
28	2208	The von Bertalanffy equation deals with the following in fish 1. Mortality 2. Recruitment 3. Growth 4. Migration A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	2209		4.0	1.00

		Fishes which spend most of their life in freshwater and migrate to sea to breed are called 1. Anadromous fish 2. Catadromous fish 3. Amphidromous fish 4. Potamodromous fish A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
30	2210	The Merchant Shipping Act 1. 1958 2. 1956 3. 1968 4. 1966 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
31	2211	What is the full form of PMMSY 1. Pradhan Mantri Malsya Sustainable Yojana 2. Pradhan Mantri Marine Sampada Yojana 3. Pradhan Mantri Matsya Samskaran Yojana 4. Pradhan Mantri Matsya Sampada Yojana A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
32	2212		4.0	1.00

		Among different components of a trawl gear, which of the following contributes maximum to the total drag? 1. Warp 2. Floats 3. Netting 4. Otterboards A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
33	2213	The Ministry of Cooperation under the Government of India was formed in 1. 2021 2. 2019 3. 2018 4. 2020 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
34	2214	When women and men have differential access to and control over livelihood capitals in fisheries then 1. Men and women face different challenges in creating and maintaining sustainable livelihoods 2. Men and women face same challenges in creating and maintaining sustainable livelihoods 3. Men and women face no challenges in creating and maintaining sustainable livelihoods 4. There is positive development in society A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
35	2215		4.0	1.00

		--------- is an important property of antifreeze proteins present in certain fish 1. Thermal hysteresis 2. Ice recrystallisation 3. Larger ice crystal formation 4. Facilitate blood coagulation A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
36	2216	------- are the enzymes responsible for the conversion of PUFAs to prostaglandins. 1. Cyclooxygenases 2. Cycloreductases 3. Fatty acid desaturases 4. Fatty acid reductases A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
37	2217	The bleeding of fish contributes to one of the following phenomena in fish. 1. Reduces oxidation due to the removal of hemeprotein 2. Facilitates oxidation due to oxygen uptake 3. No impact on tissue lipid oxidation 4. Loss of blood A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
38	2218		4.0	1.00

		For small sized fish product individual quick freezing is best done by using 1. Fluidized bed freezer 2. Tunnel freezer 3. Contact plate 4. Air blast freezer A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
39	2219	The process of removing air from food cans is called 1. Exhausting 2. Venting 3. Flanging 4. Seaming A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
40	2220	The concentration of iodine solution required in smoked fish plant for hand and equipment sterlization respectively are 1. 15 and 10 ppm 2. 25 and 15 ppm 3. 15 and 25 ppm 4. 10 and 15 ppm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
41	2221		4.0	1.00

		Stretched shrimp is otherwise known as ..... 1. Nobashi 2. Sushi 3. Barbeque 4. Trepang A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
42	2222	A Fried fish cake product is ..... 1. Chikuwa 2. Tempura 3. Hampen 4. Satsumaage A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
43	2223	Black discoloration of shrimps is prevented by dipping in a solution containing ..... 1. Sodium bicarbonate 2. Sodium metabisulphite 3. Sodium nitrite 4. Sodium tri polyphosphate A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
44	2224		4.0	1.00

		Histamine intoxication results from the consumption of spoiled fish belonging to the group of ..... 1. Scombroid 2. Elasmobranch 3. Cephalopods 4. Shrimps A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
45	2225	Squalene is obtained from ..... 1. Liver of sharks 2. Airbladder of teleost fish 3. Shrimp shell waste 4. Scales of fish A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
46	2226	The major protein complex in the surimi production belongs to the group of ..... 1. Sarcoplasmic proteins 2. Myofibrillar Proteins 3. Stroma Proteins 4. Connective tissues A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
47	2227		4.0	1.00

		Name the BIS Standard for water used in food processing industries 1. IS-4251 2. IS-4250 3. IS-4231 4. IS-3451 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
48	2228	Which of the following antibiotic causes aplastic anaemia? 1. Nitrofuran 2. Chloramphenicol 3. Tetracycline 4. Quinolone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
49	2229	Which of the following factors determine the mesh size required to enmesh and hold a fish in a gillnet? 1. Body size and shape of target fish 2. Length and height of the net 3. Cruising speed and burst speed of target fish 4. Visibility and depth of water column A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
50	2230		4.0	1.00

		Lampara is a 1. Surrounding net with a purse line 2. Surrounding net without a purse line 3. Surrounding net with a bunt 4. Surrounding net without a bunt A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
51	2231	The bilge keel fitted just below the water level in the mid-ship area of the boat 1. reduces pitching of the boat 2. increases rolling of the boat 3. reduces rolling of the boat 4. increases pitching of the boat A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
52	2232	SART or Search and Rescue Transponder, a vital machine on a vessel during distress, operates on a frequency band of 1. 15 GHz frequency band (15.2 to 15.5 GHz) 2. 6GHz frequency band (6.2 to 6.5 GHz) 3. 9GHz frequency band (9.2 to 9.5 GHz) 4. 12GHz frequency band (12.2 to 12.5 GHz) A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
53	2233		4.0	1.00

		Which fuel is used for the propulsion of deep sea fishing vessels 1. Petrol 2. Diesel 3. Kerosene 4. Petrol + Kerosene A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
54	2234	What is the purpose of gear box in the engine room of fishing vessels 1. Turning in the sea 2. Increasing and decreasing the speed 3. Keeping the forward, reverse and neutral positions 4. Only for emergency situations A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
55	2235	The area of an irregular polygon is calculated by using ---------- 1. Sine rule 2. Trapezoidal rule 3. Triangulation method 4. Pythagoras theorem A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
56	2236		4.0	1.00

		In what type of brackishwater fish farm, a feeder-cum-drainage channel is the most important and essential component ? 1. Tide-fed 2. Pump-fed 3. Tide-cum-pump fed 4. Any type A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
57	2237	Which type of refrigerant is commonly used in seafood processing plants? 1. R-134a 2. Ammonia 3. Freon-22 4. Carbon dioxide A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
58	2238	Which factor affects the drying time in dehydrating equipment for fish? (A) Ambient temperature (B) Fish size & species (C) Humidity level 1. (A) and (B) only. 2. (A), (B) and (C) 3. (B) and (C) only. 4. (A) and (C) only. A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
59	2239	Boundry between stratosphere and troposphere is called 1. stratopause 2. Mesopause 3. tropopause 4. nacreous A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
60	2240	Which of the following is an example of biotic relationship ? 1. Bacteria and Ammonia production 2. Photosynthesis 3. Symbiosis 4. Respiration by zooplankton A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
61	2241	The largest man made lake of India is- 1. Dal lake 2. Heerakud 3. Indirasagar 4. Husainsagar A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
62	2242	BOD is a measure of- 1. Organic pollution 2. Biological pollution 3. Inorganic pollution 4. Physical pollution A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	2243	On the basis of their origin, majority of natural freshwater lakes in the world are- 1. Tectonic 2. Volcanic 3. Glacial 4. Dissolution A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
64	2244	Non biodegradable wastes which can be used again are known as- 1. Non recyclable wastes 2. Recyclable wastes 3. Resynthesized wastes 4. Decomposable waste A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				

65 | 2245 | 4.0 | 1.00

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

List-I	List-II
(A). Cumulose material	(I). Lower to higher trophic level
(B). Clay	(II). Peat
(C). Biomagnification	(III). Cation exchanger
(D). Slightly acidic/ alkaline soils	(IV). Colloidal state

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

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

66 | 2246 | 4.0 | 1.00

What distinguishes Euryhaline organisms from stenohaline organisms?

1. Euryhaline organisms can only exist in freshwater ecosystems.
2. Stenohaline organisms are salt-tolerant and can survive in marine ecosystems
3. Euryhaline organisms can adapt to a wide range of salinities, while stenohaline organisms can only tolerate narrow ranges.
4. Stenohaline organisms are freshwater organisms.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

67 | 2247 | 4.0 | 1.00

		What is the primary function of aerenchyma in aquatic plants? 1. To transport oxygen to roots 2. To store excess nutrients 3. To provide structural support 4. To absorb carbon dioxide A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
68	2248	What is the main role of macroinvertebrates in assessing water quality in streams and rivers? 1. Nutrient cycling 2. Oxygen production 3. Pollination 4. Bioindication A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
69	2249		4.0	1.00

Match the following oceanographic analysis techniques with their descriptions:

List I	List II
A. GIS	I) Examination of large-scale ocean features and phenomena.
B. Remote sensing	II) Study of rapid fluctuations in ocean productivity.
C. Synoptic analysis	III) Mapping and monitoring fisheries habitats and resources.
D. Short-term productivity changes	IV) Utilizing satellite imagery for oceanographic research.

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

Objective Question

70	2250		4.0	1.00

Match the following fisheries enhancement strategies with their descriptions:

List I	List II
(A) Artificial upwelling	(I). Creating conditions for vertical layering of water masses.
(B) Ranching	(II).Introducing nutrients to stimulate phytoplankton growth.
(C). Ocean fertilization	(III). Capturing juvenile fish for rearing and release into the wild.
(D). Stratification	(IV). Manipulating ocean currents to bring nutrient-rich water to the surface.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

71	1002601	A well known example of beach seine operated in south India 1. Stake net 2. Trammel net 3. Rampani 4. Dol net A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
72	1002602	How much is the burst speed of fish for short duration 1. 10 body lengths per second 2. 6-7 body lengths per second 3. 1-2 body lengths per second 4. 18 body lengths per second A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
73	1002603	Drawing the lines of the lines plan to full size in boat construction is termed as 1. Marking 2. Shaping 3. Mould lofting 4. Lines drawing A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
74	1002604	What is the purpose of using stabilizers or hydrofoil depressors in coastal troll fishing? 1. To avoid twisting of the line. 2. To keep the line stable and steady. 3. To prevent de-hooking of the fish from the jig. 4. To take the line below the water surface. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
75	1002605	What type of BRD is a Nordmore grid? 1. Combination BRD 2. Dual BRD 3. Soft BRD 4. Hard BRD A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
76	1002606	A piece of netting having 1000 meshes in length is rigged into a 35-meter-long rope. If the mesh size is 60 mm, what will be the horizontal hanging coefficient? 1. 0.50 2. 0.41 3. 0.72 4. 0.58 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
77	1002607	While designing a gillnet, how much should be the ratio of twine diameter `d`, to mesh size `a', for calm waters and low catches? 1. 0.01 2. 0.05 3. 0.0025 4. 0.005 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
78	1002608	Which of the following environmental factors can influence the speed of sound in water, affecting the accuracy of acoustic fish detection devices? 1. Wind speed 2. Water temperature 3. Cloud cover 4. Wave height A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
79	1002609	In a long line, the breaking strength of the main line should have at least ..... the weight of the largest size of the target species. 1. 5 times 2. 10 times 3. 20 times 4. 15 times A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
80	1002610	Name seismic waves having wavelengths of 200 km and can travel as fast as 700 km/h, formed when a severe shock such as an earthquake affects the ocean. 1. Tsunami 2. Shear wave 3. Catastrophic wave 4. Storm surge A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

81 | 1002611 | 4.0 | 1.00

Consider the following statements regarding sea safety and communication, and point out the correct statement.

1. One life jacket for every two crew members should be carried onboard the vessel.
2. A life raft should withstand exposure for 30 days afloat in all sea conditions.
3. Life buoy is constructed in a circular shape and fitted with grab lines secured at two equidistant points.
4. Communication through the VHF system could reach up to 100 nautical miles from the shore.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

82 | 1002612 | 4.0 | 1.00

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

List-I	**List-II**
(A). Bell-shaped selectivity curve	(I). Purs seine
(B). Shank	(II). Sinker
(C). Skiff	(III). Gillnet
(D). Lead	(IV). Hook

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

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

Objective Question

83	1002613	Following are the statements regarding hull forms used for vessels. A) Flat-bottom hulls impose a high drag and also cause problems like bottom pounding and slamming in wave or choppy conditions. B) Flat-bottom hulls are also known as bilged hulls because of their smooth curvature at the corners or bilge region. C) V-Bottom Hulls are ideal for rough conditions with high wave-breaking efficiency without the slightest effect on their high speeds. D) V-Bottom Hulls offer a large amount of underdeck volume for cargo stowage, accommodation, and other amenities. Choose the correct answer from the options given below: 1. (A) and (B) only 2. (A) and (C) only. 3. (B) and (C) only 4. (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
84	1002614	Consider the following statements regarding the Flume tank and point out the incorrect statement. 1. Models of gear are towed through the test section, as the water and seabed remain stationary. 2. The key characteristic of a flume tank is its use of water as a working fluid circulated by large electric pumps. 3. Water is channeled using a series of diffusers, baffles, turning vanes, screens, and wave dampers before entering the test section. 4. Models of gear are not towed through the test section but remain stationary as the water and seabed move about them. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
85	1002615	The art of handling a ship under all condition of weather, tide or other influences affecting its movement or safety of a ship is called as 1. Piloting 2. Navigation 3. Seamanship 4. Ship manoeuvring	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
86	1002616	In the design drawing, net panels are drawn to scale according to: 1. Theoretical hung length and hung depth. 2. Actual hung length and hung depth. 3. Fully stretched netting dimensions. 4. The number of meshes in length and height . A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
87	1002617	In plan view of a boat the waterlines which appear as straight lines in the profile and sectional view will be: 1. straight lines 2. undulated lines 3. curved lines 4. vertical lines A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
88	1002618	A measure of the ship's capacity 1. Tonnage 2. Weightage 3. Load capacity 4. Draft	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
89	1002619	In the International Standard Statistical System of Classification of Fishing Gear (ISSCG) adopted by FAO for fishery statistics, fishing gears are grouped into 14 categories, based on: 1. Structure of the gear. 2. Principle of capture 3. Method of operation 4. Shape of the gear. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
90	1002620	What is the term used for the right-hand side of a ship when looking forward? 1. Port side 2. Starboard 3. Portboard 4. Shoreside A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
91	1002621	Which of the following signals does a GPS satellite transmit? 1. Radio waves 2. Microwave signals 3. Ultrasonic waves 4. Infrared radiation	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
92	1002622	Consider the following statements and point out the incorrect statement. 1. Sound is transmitted through sea water at a nominal speed of 1500 m per second at a temperature of 13ºC and 35.5 ppt salinity. 2. Echosounder consists of four main components, the transmitter, the transducer, the receiver and the recorder. 3. Dual frequency echo sounders 50 – 200 KHz combines low and high frequency and are very popular in fishing vessels. 4. The speed of sound in seawater is lower than in freshwater. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
93	1002623	Suberkrub otter boards are used in 1. Demersal trawling 2. Demersal trolling 3. Semi-pelagic trawling 4. Beam trawling A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	1002624	'S twist is also known as 1. Simple twist 2. Right hand twist 3. Left hand twist 4. Slow twist	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
95	1002625	An example of a marine borer 1. Rotifer 2. Teredo 3. Barnacle 4. Diatom A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
96	1002626	Which fuel is commonly used in the outboard motors of small fishing boats 1. Diesel 2. Solar power 3. Electric 4. Petrol and kerosene A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
97	1002627	What is the use of slipways for fishing boats? 1. Launching and hauling up the boats for construction or repair 2. Only for launching the boats 3. Only for hauling up the boats 4. Only for disposing the boats after life A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
98	1002628	Displacement that a propeller makes for every full revolution of 360^0 is termed as 1. Slip 2. RPM 3. Rotation 4. Pitch A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
99	1002629	Flume tanks can be used for which purpose? 1. Filling diesel in the boat 2. Filling fresh water in the boat 3. Model testing the fishing gear and boats 4. Strength testing of fishing gear A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
100	1002630	Wave resistance of fishing boat can be minimised using: 1. Rudder 2. Bulbous bow 3. Bow thruster 4. Bilge keel A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
101	1002631	---------- is an imaginary line joining the points of equal elevations 1. Bench mark 2. Datum 3. Contour 4. Mean sea level A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
102	1002632	A step like structure constructed in between the crest and toe of a dike to avoid direct entry of surface runoff into the fish pond is called ---------- 1. Berm 2. Riprap 3. Free board 4. Discharge trench A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
103	1002633	Which of the following soils is ideal soil for construction of an earthen fish pond? 1. Loam 2. Silt 3. Clayey loam 4. Sandy loam A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
104	1002634	Partly enclosed coastal body of brackishwater with one or more rivers or streams flowing into it, and with a free connection to the open sea is called ------- 1. Lagoon 2. Backwater 3. Estuary 4. Creek A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
105	1002635	International Convention for the safety of life at sea 1974 is known as: 1. MARPOL Convention 2. SLSEA Convention 3. ICSEA Convention 4. SOLAS Convention A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
106	1002636	Bio-drum is a type of ---------- filter 1. Biological 2. Chemical 3. Gravity 4. Mechanical A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
107	1002637	In recirculating aquaculture systems (RAS), a daily partial water exchange is necessary to control ---------- 1. Nitrate 2. Nitrite 3. pH 4. Alkalinity A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
108	1002638	For functioning of an air-lift pump, which of the following components is essentially required? 1. Foot valve 2. Air compressor 3. Fly wheel 4. Impeller A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
109	1002639	Sustainable Development Goals (SDGS) adopted by United Nations in 2015, as a universal call to action to end poverty, protect the planet and ensure that by 2030 all people enjoy peace and prosperity. How many SDGS are there in? 1. 14 2. 15 3. 17 4. 16 A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
110	1002640	What is used to secure a cage in a desired position at desired depth and place? 1. Collar and float assembly 2. Ballast bridle line 3. Mooring system 4. Rigging A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
111	1002641	What is the significance of proper refrigeration in seafood processing? 1. Improved enzymatic reactions 2. Increased product contamination 3. Improved product quality 4. Elevated production costs A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
112	1002642	How does freeze drying differ from traditional drying methods? 1. It uses high temperatures 2. It removes moisture by sublimation 3. It increases moisture content 4. It reduces nutritional value A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
113	1002643	What is the advantage of using a step-up transformer? 1. It increases the voltage and decreases the current 2. It decreases the voltage and increases the current 3. It keeps the voltage and current constant 4. It converts AC to DC A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
114	1002644	What is the advantage of using a three-phase AC system over a single-phase system in power distribution? 1. Lower voltage regulation 2. Higher power transmission capacity 3. Simpler circuitry 4. Greater safety A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
115	1002645	What should be done before attempting any maintenance or repair work on refrigeration equipment? 1. Essential to keep the system running 2. Ensure the equipment is running at maximum capacity 3. Properly shut down the equipment and follow lockout procedures 4. Start disassembling the equipment immediately A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
116	1002646	What happens to the speed of a DC motor when the applied voltage is increased? 1. Speed decreases 2. Speed remains constant 3. Speed increases 4. Speed fluctuates A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
117	1002647	Which type of dehydrating equipment is commonly used for small-scale fish processing? 1. Freeze dryer 2. Solar dryer 3. Vacuum dryer 4. Spray dryer A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
118	1002648	What is the significance of accurately calculating heat load in refrigeration systems? (A).It ensures the safety of the refrigerated products (B).It helps in selecting the appropriate refrigeration equipment and sizing components (C).It minimizes energy consumption and operating costs (D).It helps in maintaining outside room temperature 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	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
119	1002649	Which type of fish freezer is typically used for freezing fish fillets and seafood products? 1. Tunnel freezer 2. Chest freezer 3. Plate freezer 4. Liquid nitrogen freezer A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
120	1002650	How does proper maintenance of packing machines impact product quality? 1. It decreases the risk of contamination 2. It reduces packaging efficiency 3. It increases packaging waste 4. It limits product variety A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00