PREVIEW QUESTION BANK

Module Name : FISHERIES SCIENCES-ENG Exam Date : 09-Jul-2023 Batch : 10:00-12:00

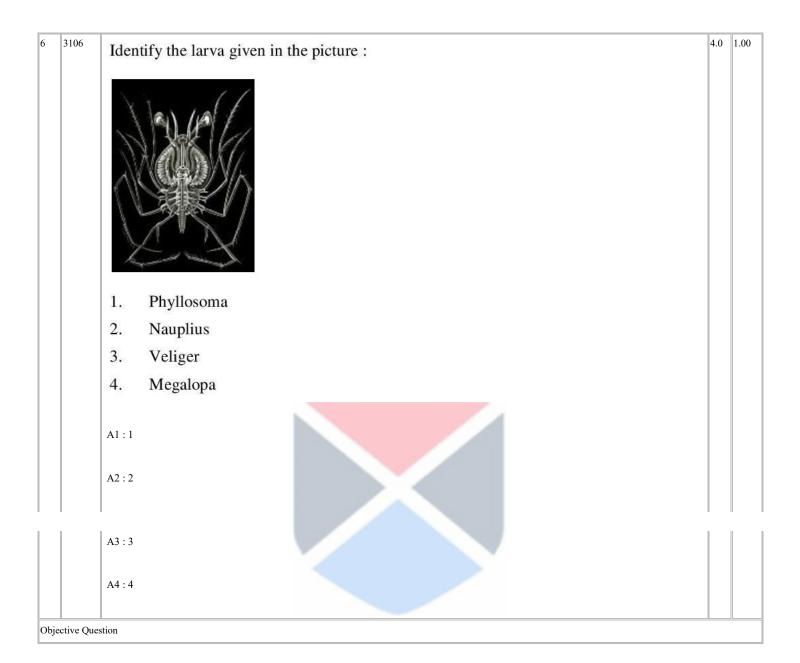
Sr. No.	Client Que ID	estion	Question Body and Alternatives Mark		gative Iarks
Objec	tive Question	on			
1			y the parts (A, B, C and D) labeled in the given picture and identify the category of from the options given below :	4.0	1.00
		1. 2. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	Monorhinous fish Physostomous fish Physoclistous fish Cartilagenous fish		
Objec	tive Question	on			

_	2102			1.0	1.00
2	3102	Mec	kel's cartilage supports which of the following in early development of shark?	4.0	1.00
		1.	Inner ear		
		2.	Upper jaw		
		3.	Lower jaw		
		4.	Gill cover		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ective Que	stion			
3	3103	Iden	tify the correct sequence of blood flow in a typical teleost:	4.0	1.00
		1.	Conus arteriosus → Atrium → Ventricle → Sinus venosus		
		2.	Sinus venosus → Atrium → Ventricle → Bulbus arteriosus		
		3.	Conus arteriosus \rightarrow Ventricle \rightarrow Atrium \rightarrow Sinus venosus		
		4.	Sinus venosus \rightarrow Ventricle \rightarrow Atrium \rightarrow Bulbus arteriosus		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ective Que	stion			<u> </u>

3104	Arrange the following fishes starting the early maturity to late maturity period under ideal conditions.	4.0	1.0
	(A) Whale shark		
	(B) Rohu		
	(C) Indian mackerel		
	(D) Sturgeon		
	(E) Tilapia		
	Choose the <i>correct</i> answer from the options given below:		
	1. (E), (B), (A), (D), (C).		
	2. (B), (C), (A), (D), (E).		
	3. (B), (A), (D), (C), (E).		
	4. (E) , (C) , (B) , (D) , (A) .		
	A1:1		
	A2:2		
	A3:3		
	A4:4		

Objective Question

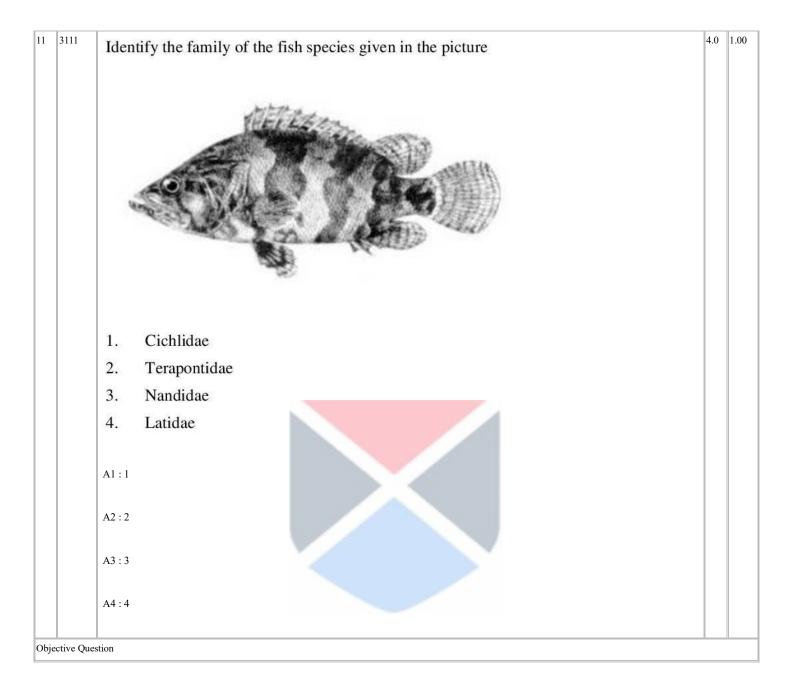
3105	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).	1
	Assertion (A): Rectal gland, a specialised anatomical structure, is present in marine elasmobranchs.	
	Reason (R): Rectal gland secretes vasopressin which helps in osmoregulation.	
	In light 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	



7	3107	The	depressed central area on the planispiral coiled shell of Nautilus is called:	4.0	1.00
		1.	Whorl		
		2.	Columella		
		3.	Varix		
		4.	Umbilicus		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Obje	ective Ques	tion			
8	3108	Haen	moglobin in teleosts is:	4.0	1.00
		1.	Monomeric		
		2.	Dimeric		
		3.	Trimeric		
		4.	Tetrameric		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ective Ques	tion		<u> </u>	<u> </u>

					a
9	3109		4.0	1.00	
		Given below are two statements:			
		Statement (I): Pleurobranchs of a typical prawn are attached to abdominal segments bearing pleopods.			
		Statement (II): A typical prawn has three pleurobranchs.			
		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			
Obje	ctive Ques	tion	_		

10	3110	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).	1.00
		Assertion (A): Sharks are categorized under the class Elasmobranchii.	
		Reason (R): Sharks have gill slits positioned laterally on either side of the head.	
		In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.	
		1. Both (A) and (R) are correct and (R) is the correct explanation of (A).	
		2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).	
		3. (A) is correct but (R) is not correct.	
		4. (A) is not correct but (R) is correct.	
		A1:1	
		A2:2	
		A3:3	
		A4:4	
Obje	ective Ques	estion	



12	3112	4.0	1.00	

Match List-II with List-II

	List-I		List-II
(C	ommon name)		(Family)
(A)	Periwinkles	(I)	Buccinidae
(B)	Whelks	(II)	Ampullariidae
(C)	Chanks	(III)	Littorinidae
(D)	Apple snails	(IV)	Turbinellidae

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

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

A1:1

A2:2

A3:3

A4:4

Objective Question

13	3113	4.0	1.00	

32.	A) Parapenaeopsis stylifera	
	3) Acetes indicus	
(0	C) Aristeus alcocki	
(1)	O) Solenocera hextii	
(1	E) Nematopalaemon tenuipes	
C	hoose the <i>correct</i> answer from the options given below:	
1	(B), (C) and (E) only.	
2	(A), (B) and (D) only.	
3	(A), (C) and (D) only.	
4	(B), (C) and (D) only.	
A1	:1	
A2	: 2	
A3	: 3	
A4	: 4	
jective Question		

14	3114	The presence of a sucking disc with 10-28 transverse movable laminae on the head is the striking taxonomic feature of which family?					
		1.	Rachycentridae				
		2.	Echeneidae				
		3.	Catastomidae				
		4.	Sphyrnidae				
		A1:1					
		A2:2					
		A3:3					
		A4 : 4					
Obje	ective Que	stion					
15	3115			4.0	1.00		

Arrange the following fishes based on number of dorsal fin spines they have, starting from the least to the most: (A) Mugil cephalus (B) Sillago sihama Arius arius (C) Sphyraena barracuda (D) (E) Oreochromis mossambicus Choose the *correct* answer from the options given below: 1. (C), (A), (D), (B), (E).2. (C), (E), (A), (B), (D).(E), (C), (B), (D), (A).3. (A), (E), (B), (D), (C).4. A1:1 A2:2 A3:3 A4:4 Objective Question

6	3116	As per the analytical models of fish stock assessment, presence of too many old fish in the stock is an indicative of :			
		1.	Growth overfishing		
		2.	Recruitment overfishing		
		3.	Underfishing		
		4.	Eumetric fishing		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
bje	ective Que	stion			<u> </u>
7	3117			4.0	1.00

With the increase in fishing effort, what is the correct sequence of the following that occur in a typical marine fishery? Maximum sustainable yield - Maximum economic yield - Open access 1. equilibrium Maximum economic yield - Open access equilibrium - Maximum sustainable 2. Maximum sustainable yield - Open access equilibrium - Maximum economic 3. yield Maximum economic yield - Maximum sustainable yield - Open access 4. equilibrium A1:1 A2:2 A3:3 A4:4 Objective Question

18	3118	Selec	ction curve expected from a standard gillnet is:	4.0	1.00
		1.	Sigmoid		
		2.	Asymptotic		
		3.	Linear		
		4.	Bell shaped		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Object	ctive Ques	tion			
	3119			4.0	1.00

Which among the following models do not require biological data inputs for fish stock assessment? Surplus production model (A) Thompson and Bell prediction model (B) (C) Relative response model (D) Yield per recruit model (E) Swept area method Choose the *correct* answer from the options given below: 1. (A), (B), (D) and (E) only. 2. (A), (C) and (E) only. (B), (C), (D) and (E) only. 3. (B), (D) and (E) only. 4. A1:1 A2:2 A3:3A4:4 Objective Question

20	3120	As per FAO World Aquaculture and Fisheries Statistics (2022), which country leads in inland waters capture production in the year 2020 ?					
		1.	China				
		2.	India				
		3.	Indonesia				
		4.	Bangladesh				
		A1:1					
		A2:2					
		A3:3					
		A4 : 4					
Obj	ective Que	stion					
21	3121			4.0	1.00		

based on their joining point to Arabian Sea: (A) Narmada (B) Mahi (C) Periyar (D) Tapi Choose the *correct* answer from the options given below: 1. (A), (D), (C), (B).2. (B), (D), (A), (C).3. (B), (A), (D), (C).(C), (A), (B), (D).4. A1:1 A2:2 A3:3 A4:4 Objective Question 22 3122 Suckermouth catfish or Pleco, an exotic fish species frequently being recorded in Indian waters, is native to: 1. South America 2. North America 3. China Africa 4. A1:1 A2:2 A3:3 A4:4

Arrange the following west flowing Indian rivers from northernmost to southernmost

	ctive Ques	tion		
Obie	3123	The most productive fishing area which produces largest global marine capture fish is: 1. Northwest Atlantic 2. Northeast Atlantic 3. Northwest Pacific 4. Northeast Pacific A1:1 A2:2 A3:3 A4:4	4.0	1.00

24 3124	Lobs	sters are most abundant and form a significant fishery in the state of :	4.0	1.00
	1.	Andhra Pradesh		
	2.	Karnataka		
	3.	Goa		
	4.	Gujarat		
	A1:1			
	A2:2			
	A3:3			
	A4:4			
Objective Qu	uestion			
25 3125	The	most dominant species of Labeo in the river Cauvery is:	4.0	1.00
	1.	Labeo dyocheilus		
	2.	Labeo boga		
	3.	Labeo kontius		
	4.	Labeo calbasu		
	A1:1			
	A2:2			
	A3:3			
	A4:4			
Objective Qu				

26	3126	Wha	t is the world latest fish production as per FAO, 2022 ?	4.0	1.00		
		1.	89 mmt				
		2.	232 mmt				
		3.	214 mmt				
		4.	184 mmt				
		A1:1					
		A2:2					
		A3:3					
		A4 : 4					
Obje	ctive Question						
27	3127	Worl	d latest aquaculture production (2022) is:	4.0	1.00		
		1.	98.5 mmt				
		2.	87.5 mmt				
		3.	224 mmt				
		4.	124 mmt				
		A1:1					
		A2:2					
		A3:3					
		A4:4					
Obje	ctive Ques	stion					

28	3128	Total	I Indian fish production (2021-22) is :	4.0	1.00
		1.	16.25 mmt		
		2.	14.2 mmt		
		3.	10.8 mmt		
		4.	22. 4 mmt		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Objec	tive Ques	uestion			
29	3129	Wha India	t is the total value of fish and fishery products exported to overseas countries from in 2021-22?	4.0	1.00
		1.	Rs. 37,585. 6 crores		
		2.	Rs. 47,0285 crores		
		3.	Rs. 67,585 crores		
		4.	Rs. 57,586.5 crores		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
\perp	tive Ques				

30	3130		at is the contribution of Indian fisheries to national economy (GVA/GDP) and to cultural economy respectively in 2021-22?	4.0	1.00
		1.	2.1% and 8.89%		
		2.	1.0% and 4.78%		
		3.	1.1% and 6.72%		
		4.	0.98% and 5.36%		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Obje	ective Que	stion			
31	3131	Bree	eding and hatchery technology of the following fish was developed by the CMFRI:	4.0	1.00
		1.	Seabass		
		2.	Pearl spot		
		3.	Tilapia		
		4.	Cobia		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Ohio	ective Que	stion			

32	3132	Which of the following fish variety was developed through selective breeding by the Worldfish Center (ICLARM)?	4.0	1.00
		1. Seabass		
		2. Jayanthi rohu		
		3. GIFT Tilapia		
		4. GI Scampi		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ective Ques	tion		
33	3133	Which among the following fishes is relatively a new introduction in Indian freshwater aquaculture?	4.0	1.00
		1. Catla		
		2. Tilapia		
		3. Rohu		
		4. Pangasius		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ective Ques	tion		
34	3134	4	4.0	1.00

		weight of fish produced divided by the feed is given as:		
	1.	Food conversion efficiency		
	2.	Food conversion ratio		
	3.	Protein efficiency ratio		
	4.	Specific growth rate		
	A1:1			
	A2:2			
	A3:3			
	A4 : 4			
Objective Ques	stion			
35 3135	Whi	ch of the following fish is carnivorous fish?	4.0 1.0	00
	1.	Tilapia		
	2.	Pacu or roopchand		
	3.	Mullet		
	4.	Mrigal		
	A1:1			
	A2:2			
	A3:3			
	A4:4			
Objective Ques	stion			

36	3136		ch of the following variety of fish was developed by the CIFA through selective ding?	4.0	1.00
		1.	GIFT Tilapia		
		2.	GI Common carp		
		3.	GI Mrigal		
		4.	Jayanthi rohu		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
-	ctive Ques	tion		1	I
37	3137	The	energy values (kcal/g) available from nutrients, protein and lipid are?	4.0	1.00
		1.	4 and 5		
		2.	5 and 4		
		3.	5 and 9		
		4.	9 and 4		
		A1:1			
		A2:2			
		A3:3			
		A4:4			

38	3138	Whice gills:	ch component of the energy in the food less the energy lost in faeces, urine and	4.0	1.00
		1.	Metabolizable energy		
		2.	Gross energy		
		3.	Basal energy		
		4.	Net energy		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Obje	ective Ques	tion			
39	3139	Whice large	ch group of fish are primarily cultured in Japan, Europe and North America, and are ly marine fishes?	4.0	1.00
		1.	Herbivores		
		2.	Omnivores		
		3.	Plankton feeders		
		4.	Carnivores		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obie	ective Ques	tion			
-J~	4.50				

40	3140	In bi	ofloc system of culture, what is more important?	4.0	1.00		
		1.	C: P ratio				
		2.	N: P ratio				
		3.	C: N ratio				
		4.	C: K ratio				
		A1:1					
		A2:2					
		A3:3					
		A3.3					
		A4:4					
-	ective Ques			1	1		
41	3141	India	in major carps were bred for the first time through induced breeding in the year?	4.0	1.00		
		1.	1969				
		2.	1957				
		3.	1973				
		4.	1947				
		A1:1					
		A2:2					
		A3:3					
		A4:4					
Obje	Objective Question						
42	3142	Adh	esive eggs are seen in case of which fish?	4.0	1.00		
		1.	Catla				
		2.	Mrigal				
		3.	Common carp				
		4.	Tilapia				

		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ctive Ques	tion		
43	3143	The scientist/s who developed the hypophysation technique for breeding of Indian major carps for the first time in India? 1. S L Hora	4.0	1.00
		2. T V R Pillay		
		3. V G Jhingran		
		4. Alikunhi K H and H Choudhri		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ctive Ques	tion		

44 3144	In th	e induced breeding of Indian major carps, which of the following statements are	.00
	(A)	Pituitary glands are preferred over Ovaprim.	
	(B)	Ovaprim is ready to use liquid form available in 10 ml vial, has consistency and given reliable results.	
	(C)	Ovatide is an indigenous, cost effective hormonal formulation.	
	(D)	GnRH is a steroidal hormone belongs to class of substances called peptides.	
	Choo	ose the <i>correct</i> answer from the options given below:	
	1.	(A) and (B) only	
	2.	(C) and (D) only	
	3.	(B) and (C) only	
	4.	(A) and (D) only	
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Q	estion		

45 3145

Match List-I with List-II

.0	1.0

List-I	List-II
(Shellfish)	(Larval stage)
(A) Crab	(I) Phyllosoma
(B) Lobster	(II) Zoea
(C) Scampi	(III) Glochidium
(D) Freshwater mussel	(IV) Megalopa

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

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

A1:1

A2:2

A3:3

A4:4

Objective Question

46 3146

4.0 1.00

Match List-I with List-II

	List-I	List-II
(1	Feed ingredients)	(Used as a source of)
(A)	Groundnut cake	(I) Binder
(B)	Tapioca floor	(II) Protein
(C)	Ethoxyquin	(III) Carbohydrate
(D)	Rice bran	(IV) Antioxidant

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

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

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

A1:1

A2:2

A3:3

A4:4

Objective Question

47 3147	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).	1.00
	Assertion (A): Extruded feed manufacture, high temperature high moisture and high pressure are used.	
	Reason (R): In extruded feed production, small air pockets are formed inside pellets and they float in the water.	
	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	
Objective Que	estion	

48	3148	Given below are two statements:	4.0	1.00
		Statement (I): Too many species used in freshwater aquaculture in India, which is not a good sign.		
		Statement (II): Diversification of species is necessary in the Indian freshwater aquaculture.		
		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 correct.		
		2. Both Statement (I) and Statement (II) are incorrect.		
		3. Statement (I) is incorrect but Statement (II) is correct.		
		4. Statement (I) is correct but Statement (II) is incorrect.		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ective Que	stion		
49	3149		4.0	1.00

Given below are two statements: Statement (I): African catfish is a fast growing one and recommended for culture in India. Statement (II): Pangasius catfish is a suitable species for freshwater aquaculture. 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. Statement (I) is incorrect and Statement (II) is correct. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Both Statements (I) and Statement (II) are incorrect.

		A2:2			
		A3:3			
		A4:4			
Obje	ctive Que	stion			
50	3150	Given below are two statements:	4.0	1.00	
		Statement (I): Gold fish eggs are adhesive.			
		Statement (II): Common carp eggs are adhesive.			
		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 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			
Obje	ctive Que	stion			

3151	Utilising a living microorganism to break down an environmental pollutant is referred	4.0	1.00
	to:		
	1. Microremediation		
	2. Nanoremediation		
	3. Bioremediation		
	4. Macroremediation		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
	3151	Utilising a living microorganism to break down an environmental pollutant is referred to: 1. Microremediation 2. Nanoremediation 3. Bioremediation 4. Macroremediation Al:1 A2:2 A3:3	1. Microremediation 2. Nanoremediation 3. Bioremediation 4. Macroremediation A1:1 A2:2 A3:3

Objective Que	estion		
52 3152	Where is the ozone layer located in the atmosphere?	4.0	1.00
	 Troposphere Stratosphere 		
	3. Mesosphere		
	4. Ionosphere		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Que	estion		

53 3153	Whe	n was the Ganga Action Plan (GAP) introduced in India ?	4.0	1.00					
	1.	1980							
	2.	1985							
	3.	1988							
	4.	1991							
	A1:1								
	A2:2								
	A3:3								
	A4 : 4								
Objective Qu	estion		<u> </u>	<u> </u>					
54 3154	How	many parts per million (ppm) does a concentration of 0.01% represent?	4.0	1.00					
	1.	1 ppm							
	2.	10 ppm							
	3.	100 ppm							
	4.	1000 ppm							
	A1:1								
	A2:2								
	A3:3								
	A4:4								
Objective Qu	jective Question								

55	3155	Spec	ies which are threat to biodiversity are ?	4.0	1.00
		1.	Keystone species		
		2.	Invasive species		
		3.	Flagship species		
		4.	Indicator Species		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ctive Ques	tion			
56	3156	Whic	ch of the following is a waterborne disease?	4.0	1.00
		1.	Typhoid		
		2.	Measles		
		3.	Sarcoma		
		4.	Arthritis		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ctive Ques	tion			II

57 3157	The area in deep lakes which is beyond the influence of the shore or bottom is termed as:	4.0	1.00
	1. Aphotic zone		
	2. Profoundal zone		
	3. Limnetic zone		
	4. Disphotic zone		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Q	estion		
58 3158	All of the following species are considered coliforms, except:	4.0	1.00
	1. Enterobacter aerogenes		
	2. Klebsiella pneumonia		
	3. Salmonella typhi		
	4. Escherichia coli		
	A1:1		
	A2:2		
	A3:3		
	A4:4		

159	Which of the following salts is the main cause of permanent hardness of water ?	4.0	1.00
	1. Magnesium sulphate		
	4. Calcium Sulphate		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
ive Quest	ion	<u> </u>	<u> </u>
	The book 'Silent Spring', which was written by Rachel Carson, documented:		
	1. Adverse environmental effects caused by pesticides		
	2. Adverse environmental effects caused by ozone depletion		
	3. Adverse environmental effects caused by heavy metals		
	4. Adverse environmental effects caused by radioactive pollutants		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
	ive Questi	Which of the following sails is the main cause of permanent hardness of water? 1. Magnesium sulphate 2. Magnesium carbonate 3. Magnesium carbonate 4. Calcium Sulphate Al:1 A2:2 A3:3 A4:4 The book 'Silent Spring', which was written by Rachel Carson, documented: 1. Adverse environmental effects caused by pesticides 2. Adverse environmental effects caused by heavy metals	The book 'Silent Spring', which was written by Rachel Carson, documented: 1. Adverse environmental effects caused by pesticides 2. Adverse environmental effects caused by heavy metals 4. Adverse environmental effects caused by radioactive pollutants Al:1 Al:1 Al:1 Al:1 Al:1 Al:1 Al:1 Al:1 Al:2

61	3161	Nepl	nelometer is used to measure :	4.0	1.00						
		1.	Dissolved oxygen								
		2.	Carbon dioxide								
		3.	pH								
		4.	Turbidity								
		A1:1									
		A2:2									
		A3:3									
		A4:4									
Obje	ective Ques	stion									
62	3162	Incre	ease in concentration of chemical substance along the trophic level of food chain is d:	4.0	1.00						
		1.	Bioconcentration								
		2.	Bioremediation								
		3.	Biomagnification								
		4.	Biotransformation								
		A1:1									
		A2:2									
		A3:3									
	1	I									
		A4:4									
Obje	bjective Question										

63	3163	Synecology is a study of inter relationship between environment and :	4.0	1.00						
		1. Individual plant								
		2. A population								
		3. A community								
		4. Individual animal								
		A1:1								
		A2:2								
		A3:3								
		A4:4								
Obje	ctive Ques	tion								
64	3164	Montreal protocol is related to:	4.0	1.00						
		1. Global warming								
		2. Ozone layer depletion								
		3. Sustainable development								
		4. Food security								
		A1:1								
		A2:2								
		A3:3								
		A4:4								
Obje	ective Question									

65 3165		4.0	1.00
	Which of the following ocean current is associated with Indian Ocean?		
	1. Agulhas Current		
	2. Canary Current		
	3. Kurile Current		
	4. Florida Current		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Que	stion		1
66 3166	A universal process of directional change in community composition on an ecologica time scale is called :	1 4.0	1.00
	1. Displacement		
	2. Evolution		
	3. Succession		
	4. Extinction		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Que	stion		

67	3167	In me	ost freshwater lakes, the algal productivity is limited by the availability of which of ollowing inorganic ions ?	4.0	1.00
		1.	Carbon		
		2.	Nitrogen		
		3.	Phosphorus		
		4.	Sulphur		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Obje	ctive Ques	tion			
68	3168			4.0	1.00
		How	many bio-geographical regions are present in India?		
		1.	3		
		2.	4		
		3.	7		
		4.	10		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			

Objective Question								
69	3169	Larg	e body of water, sometimes with a narrow mouth, that is almost completely bunded by land is called :	4.0	1.00			
		1.	Estuary					
		2.	Gulf					
		3.	Strait					
		4.	Cape					
		A1:1						
		A2:2						
		A3:3						
		A4 : 4						
Obje	ective Que	etion						
70	3170	Stion		4.0	1.00			
/0	3170	Map	ping of ocean bottom features is called:	4.0	1.00			
		1.	Bathymetry					
		2.	Thermometry					
		3.	Geometry					
		4.	Oceanometry					
		A1:1						
		A2:2						
		A3:3						
		A4 : 4						
Obje	Objective Question							

71 3	3171	Which fish disease is not listed in OIE list?	4.0	1.00
		which fish disease is not fisted in OIE fist?		
		1. Infection with viral haemorrhagic septicaemia virus		
		2. Infection with Gyrodactylus salaris		
		3. Infection with Aphanomyces invadans		
	ē	4. Infection with Ichthyophthirius multifiliis		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Object	tive Questi	on		<u> </u>
72 3	3172	Programmed cell death is called :	4.0	1.00
		1. Necrosis		
		2. Apoptosis		
		3. Pyknosis		
		4. Karyolysis		
		A1:1		
		A2:2		
		A3:3		
		A4:4		

73	3173	B cells and T cells are type of:			1.00
		1.	Neutrophils		
		2.	Basophils		
		3.	Lymphocytes		
		4.	Antibodies		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
_	ective Ques	tion			
74	3174	Whic	th one of the following is an acute phage protein?	4.0	1.00
74 3		1.	Complement		
		2.	Antigen		
		3.	Antibody		
		4.	CRP		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Obje	ective Ques	tion			

75 31	175	Whic	h of the following is called as transboundary movement of disease?	4.0	1.00
		1.	Panzootic		
		2.	Epizootic		
		3.	Enzootic		
		4.	Zoonotic		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Objecti	ve Quest	ion			
76 31	176	Whic	h of the following is a gram positive pathogenic bacteria?	4.0	1.00
		1.	Yersinia ruckeri		
		2.	Aeromonas hydrophila		
		3.	Streptococcus iniae		
		4.	Flavobacterium columnare		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Objectiv	ve Quest	ion			

77	3177	Whic	ch one is involved in specific immune system ?	4.0	1.00
		1.	Lymphocytes		
		2.	Monocytes		
		3.	Neutrophils		
		4.	Basophils		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ective Ques	tion			
78	3178		ch of the following is not a prophylaxis measure in aquaculture?	4.0	1.00
		1.	Probiotic		
		2.	Antibiotic		
		3.	Immunostimulant		
		4.	Biosecurity		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ective Ques	tion			
79	3179			4.0	1.00

		Whi	ch one is not a nucleic acid based technique?		
		1.	PCR		
		2.	LAMP		
		3.	FAME		
		4.	RFLP		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ective Ques	stion			
80	3180	Oxyt	tetracycline antibiotics inhibits:	4.0	1.00
		1.	DNA synthesis		
		2.	Protein synthesis		
		3.	Carbohydrate synthesis		
		4.	Lipid synthesis		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			
Obje	ective Ques	stion			

81	3181	Whi	ch one of the following spoilages does not occur in canned products?	4.0	1.00
		1.	Blue discoloration		
		2.	Curding		
		3.	Dun spoilage		
		4.	Struvite formation		
		A1:1			
		A2:2			
		A3:3			
		A4 : 4			

ective Que	estion		<u> </u>
3182	Given below are two statements:	4.0	1.00
	Statement (I): Only hot and cold process are used for preparation of dyeing bath for fishing net.	XWXX	
	Statement (II): Hot, cold and cutch methods are used for preparation of dyeing bath for fishing net.	Section	
	In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.	N022200	
	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		
		Statement (I): Only hot and cold process are used for preparation of dyeing bath for fishing net. Statement (II): Hot, cold and cutch methods are used for preparation of dyeing bath for fishing net. 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) is false. 3. Statement (I) is true but Statement (II) is false. 4. Statement (I) is false but Statement (II) is true.	Statement (I): Only hot and cold process are used for preparation of dyeing bath for fishing net. Statement (II): Hot, cold and cutch methods are used for preparation of dyeing bath for fishing net. 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

 3183				
	Give	n below are two statements:		1.00
	State	ement (I): Verandah nets are basically barriers.		
	State	ement (II): Chinese dip nets are widely used in Kerala backwaters.		
	1000	ght of the above statements, choose the <i>most appropriate</i> answer from the options a 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			

tion		
Food Safety Standard Authority of India (FSSAI) was formed in which year ?	4.0	1.00
1. 2006		
2. 2008		
3. 2005		
4. 2009		
A1:1		
A2:2		
A3:3		
A4:4		
	1. 2006 2. 2008 3. 2005 4. 2009 A1:1 A2:2 A3:3	Food Safety Standard Authority of India (FSSAI) was formed in which year? 1. 2006 2. 2008 3. 2005 4. 2009 Al:1 A2:2 A3:3

3185		n below are two statements :	4.0	1.00	
	State				
		ement (I): Otter boards in gill nets are used for horizontal opening.			
	State	ement (II): Floats and sinkers are used for vertical opening.			
	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				
tive Question					
3186			4.0	1.00	
_	-	1. 2. 3. 4. A1:1 A2:2 A3:3 A4:4	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	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. Al:1 A2:2 A3:3 A4:4	

Given below are two statements: Statement (I): Fish marinates are preserved in a mixtures acetic acid and salt. Statement (II): Scromboid food borne illness may occur due to eating the tuna. In light of the above statements, choose the *most appropriate* answer from the options given below. Both Statement (I) and Statement (II) are true. 1. Both Statement (I) and Statement (II) are false. 2. Statement (I) is true but Statement (II) is false. 3. 4. **Statement (I)** is false but **Statement (II)** is true. A1:1 A2:2 A3:3 A4:4

7	Match List-I with List-II		4.0 1
	List-I	List-II	
	(Disease symptoms due to toxins)	(Causative factor)	
	A) Amnesic shellfish poisoning (ASP)	(I) Alexandrium catenella	
	B) Diarrheal shellfish poisoning (DSP)	(II) Karenia brevis	
	C) Neurotoxic shellfish poisoning (NSI	P) (III) C ₄₄ H ₆₈ O ₁₃	
	D) Paralytic shellfish poisoning (PSP)	(IV) Domoic acid	
(0	Choose the <i>correct</i> answer from the option	ns given below:	
3	. (A) - (I), (B) - (II), (C) - (III), (D) - ((IV)	
	(A) - (I), (B) - (III), (C) - (II), (D) - (B)	(IV)	
	(A) - (I), (B) - (II), (C) - (IV), (D) -	(III)	
4	(A) - (IV), (B) - (III), (C) - (II), (D)	- (I)	
Al	:1		
A2	: 2		
A3	:3		
	: 4		

3188	175-00	en below are eason (R).	two statements, one is labelled as $\boldsymbol{Assertion}$ (\boldsymbol{A}) and other one labelled	4.0	1.00	
	Asse	ertion (A) :	Life buoy is a life safety appliance.			
	Reas	son (R):	It is designed to be thrown to a person in water, to provide buoyancy and prevent drowning.			
	In light of the above statements, choose the <i>correct</i> answer from the options given below.					
	1.	Both (A) as	nd (R) are true and (R) is the correct explanation of (A).			
	2.	Both (A) as	nd (R) are true but (R) is NOT the correct explanation of (A).			
	3.	(A) is true	but (R) is false.			
	4.	(A) is false	e but (R) is true.			
	A1:1					
	A2:2					
	A3:3					
	A4:4					
ojective Que	estion					
3189	Acce	eptable limit	of Total Volatile Base Nitrogen (TVB-N) in fish muscle is :	4.0	1.0	
	1.	35-40 mg/1	100g			
	2.	30-35g/100	Og			
	3.	25-30mg/1	00g			
	4.	40-45mg/1	00g			
	A1:1					
	A2:2					
	A3:3					
	A4:4					
					II.	

e :	.				
91	3191	Wha	at are the prerequisite programs of HACCP to practice in fish processing industry?	4.0	1.00
		(A)	Fishing		
		(B)	GMP		
		(C)	SSOP		
		(D)	Pest control program		
		Cho	ose the <i>correct</i> answer from the options given below:		
		1.	(B), (C) and (D) only.		
		2.	(A), (B) and (D) only.		
		3.	(A), (B), (C) and (D).		
		4.	(B) and (C) only.		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obie	ctive Ques	stion			
	3192		t of the food spoilgae pathogens are :	4.0	1.00
		1.	Psychrophiles		
		2.	Thermophiles		
		3.	Mesophiles		
		4.	Psychrotrophs		
		A1:1			
		AIII			
		A2:2			
		A3:3			
		113.3			
		A4 : 4			

-	ctive Ques	tion		
	3193	TCBS agar is used for the isolation of: 1. Aeromonas hydrophila 2. Vibrio cholerae 3. Escherichia coli 4. Listeria monocytogenes Al:1 A2:2 A3:3 A4:4	4.0	1.00

94	3194	ISO 2	22000 refers to which of the following?	4.0	1.00
		1.	QMS		
		2.	HACCP		
		3.	FSMS		
		4.	NABL		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ctive Ques	tion			
95	3195	Pink	spoilage in salted fish is caused by:	4.0	1.00
		1.	Sarcina		
		2.	Serriata		
		3.	Sporendonema		
		4.	Micrococcus		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ctive Ques	tion]

	List-I		List-II	
(A	mino acid)		(Nature of amino acid)	
(A)	Methionine	(I)	Predominate amino acid in fish	
(B)	Glycine	(II)	Non-protein amino acid	
(C)	Taurine	(III)	Simple amino acid	
(D)	Lysine	(IV)	Sulfur containing amino acid	
1. 2.			ver from the options given below II), (C) - (II), (D) - (I) I), (C) - (III), (D) - (I)	
1. 2. 3. 4.	(A) - (IV), ((A) - (IV), (B) - (I B) - (I		
2. 3.	(A) - (IV), ((A) - (IV), (B) - (I B) - (I	II), (C) - (II), (D) - (I) I), (C) - (III), (D) - (I)), (C) - (II), (D) - (III)	
2. 3. 4.	(A) - (IV), ((A) - (IV), (B) - (I B) - (I	II), (C) - (II), (D) - (I) I), (C) - (III), (D) - (I)), (C) - (II), (D) - (III)	

			_	
97	3197	Statement (I): Seine net is very long net, designed to surround the fish school.	.0	1.00
		Statement (II): Beach seine is known as round haul seine.		
		In light of the above statements, choose the <i>correct</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 and Statement (II) is false.		
		4. Statement (I) is false and Statement (II) is true.		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ctive Ques	tion		
8	3198	Which is the specific spolilage organism in fresh fish?	.0	1.00
		1. Shewanella		
		2. Shigella		
		3. Staphylococcus		
		4. Aeromonas		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
)bje	ctive Ques	tion		

99	3199		4.0	1.00
		Given below are two statements, one is labelled as $Assertion(A)$ and other one labelled as $Reason(R)$.		
		Assertion (A): Any message prefixed with MAYDAY concern safety.		
		Reason (R): It indicates that a ship, aircraft, or other vehicle is threatened by grave and imminent danger and request immediate assistance.		
		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		
		10.0		
		A4:4		
Obje	ctive Ques	ion		

00 3200	Which is the responsible organism for listeriosis?			
	1. Listeria ivanovii			
	2. L. grandensis			
	3. L. monocytogenes			
	4. L. seeligeri			
	A1:1			
	A2:2			
	A3:3			
	A4:4			
ojective Qu	estion			
01 3201		4.0	1.00	

Match List-II with List-II

	List-I		List-II
	(Fatty acid)		(Function)
(A)	Linolenic acid	(I)	Eye and brain health
(B)	Alpha Linoleic acid (ALA)	(II)	Heart health
(C)	Eicosapentaenoic acid (EPA)	(III)	Omega – 6 fatty acid
(D)	Docosahexaenoic acid (DHA)	(IV)	Essential fatty acid

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

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

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

A1:1

A2:2

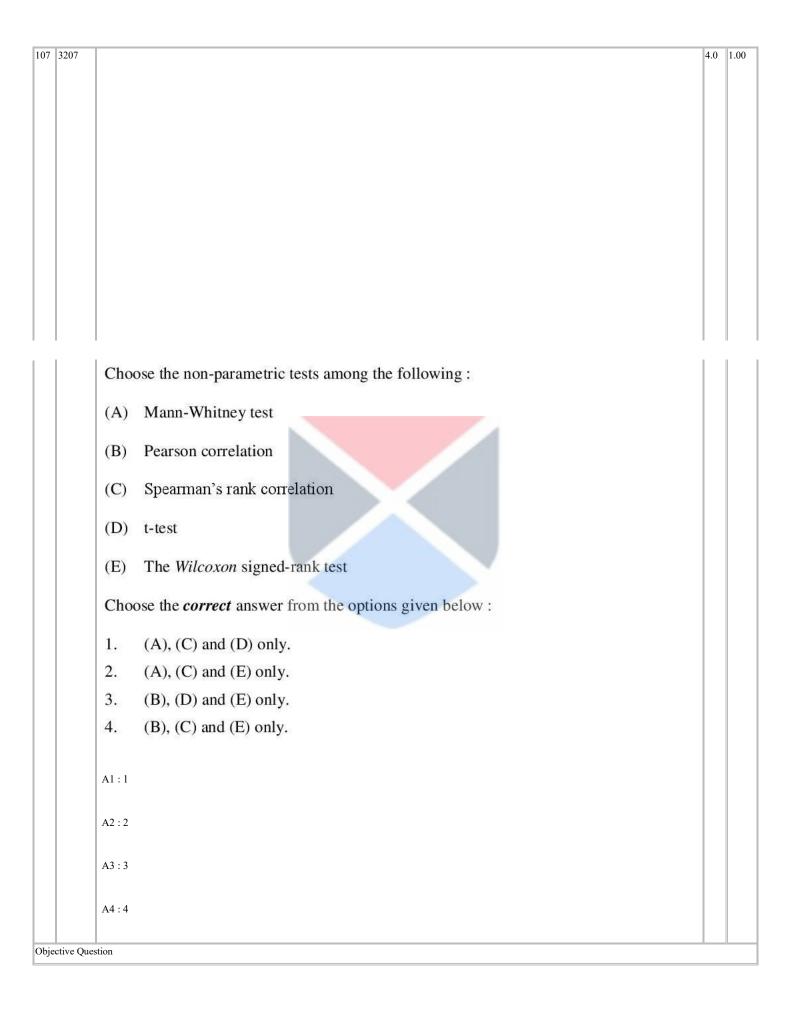
A3:3

A4:4

102	3202	An additive used to control fungal infestation in dry fish:	4.0	1.00
		1. Sorbitol		
		2. Polyphosphate		
		3. Citric acid		
		4. Potassium sorbate		
		. Tomosium sorome		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ctive Ques	tion		
103	3203		4.0	1.00
		Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).		
		Assertion (A): Rigor mortis is caused by the breakdown of the glycogen of the muscle into lactic acid.		
		Reason (R): It is a sign of freshness.		
		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			
			A4:4			
(Objec	tive Ques	stion			
1	04	3204	Nam	e the sensory method recommended for fish quality testing in fish landing centers?	4.0	1.00
			1.	Deo-trio test		
			2.	Torry scheme		
			3.	FSSAI grading		
			4.	EU grading		
			A1:1			
			A2:2			
			A3:3			
			A4:4			
(Objec	tive Ques	tion			

105	3205			4.0	1.00
		Whic	ch is the authorized body to issue the health certificate for seafoods?		
		1.	MPEDA		
		2.	FSSAI		
		3.	EIA		
		4.	BIS		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ctive Ques	tion			
106	3206	Wha	t is the annual fishing mortality rate, if the fishing effort is 8000 vessels and ability coefficient is 5×10^{-4} per vessel per year?	4.0	1.00
		1.	2.0		
		2.	4.0		
		3.	1.6		
		4.	3.2		
		A1:1			
		A2:2			
		A3:3			
		A4:4			
Obje	ctive Ques	tion		<u> </u>	



108 3208	In which of the following distribution, mean is equal to variance ?	4.0	1.00
	1. t distribution		
	2. Poisson distribution		
	3. Binomial distribution		
	4. Chi-square distribution		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Qu	estion		
109 3209	An aquarium contains 4 goldfishes, 6 swordtails and 10 tetras. What is the probability that a fish randomly selected is a goldfish or a tetra?		1.00
	1. 2/7		
	2. 5/7		
	3. 7/10		
	4. 1/4		
	A1:1		
	A2:2		
	A3:3		
	A4:4		
Objective Que	stion		<u> </u>

Arrange the following acts chronologically starting from the earliest to the latest of their introduction.	4.0	1.0
(A) The Biological Diversity Act		
(B) Environment (Protection) Act		
(C) Indian Fisheries Act		
(D) Coastal Aquaculture Authority Act		
(E) Wildlife (Protection) Act		
Choose the <i>correct</i> answer from the options given below:		
1. (C), (E), (A), (B), (D).		
2. (B), (C), (E), (D), (A).		
3. (C) , (E) , (B) , (D) , (A) .		
4. (C), (E), (B), (A), (D).		
A1:1		
A2:2		
A3:3		
A4:4		
	Arrange the following acts chronologically starting from the earliest to the latest of their introduction. (A) The Biological Diversity Act (B) Environment (Protection) Act (C) Indian Fisheries Act (D) Coastal Aquaculture Authority Act (E) Wildlife (Protection) Act Choose the <i>correct</i> answer from the options given below: 1. (C), (E), (A), (B), (D). 2. (B), (C), (E), (D), (A). 3. (C), (E), (B), (D), (A). 4. (C), (E), (B), (A), (D). Al:1 A2:2 A3:3	Arrange the following acts chronologically starting from the earliest to the latest of their introduction. (A) The Biological Diversity Act (B) Environment (Protection) Act (C) Indian Fisheries Act (D) Coastal Aquaculture Authority Act (E) Wildlife (Protection) Act Choose the <i>correct</i> answer from the options given below: 1. (C), (E), (A), (B), (D). 2. (B), (C), (E), (D), (A). 3. (C), (E), (B), (D), (A). 4. (C), (E), (B), (A), (D). Al:1 A2:2 A3:3

4.0 1.00

111 | 3211

Match List-II with List-II

List-I			List-II	
	(Scientist)	(Concept)		
(A)	Rogers and Shoemaker	(I)	Intelligence	
(B)	Daniel Benor	(II)	Communication	
(C)	Edgar Dale	(III)	Training and Visit	
(D)	Wechsler	(IV)	Cone of Experience	

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

A1:1

A2:2

A3:3

A4:4

112	3212	Which two groups of people together constitute the maximum percentage share in the product adoption process?	4.0	1.00
		1. Innovators and Early majority		
		2. Early majority and Late majority		
		3. Early adopters and Early majority		
		4. Late majority and Laggards		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ctive Ques	tion		
113	3213		4.0	1.00
		Which is the basic unit of rural society?		
		1. Village		
		2. Community		
		3. Population		
		4. Family		
		A1:1		
		A2:2		
		A3:3		
		A4:4		
Obje	ctive Ques	tion		$\overline{}$

114 3214	sche	vigation journey flagged off in March 2022 from Mandvi to disseminate fisheries mes to coastal and, promoting sustainable fisheries and protection of marine ystems:		1.00
	1.	Sagar Nidhi		
	2.	Sagar Mitra		
	3.	Sagar Parikrama		
	4.	Sagar Matsyajeevi		
	A1:1			
	A2:2			
	A3:3			
	A4:4			
Objective Que	stion			
115 3215		DALMIN' is the trademark of:	4.0	1.00
	1.	ICAR-CMFRI		
	2.	ICAR-CIBA		
	3.	Fishery Survey of India		
	4.	National Institute of Oceanography		
	A1:1			
	A2:2			
	A3:3			
	A4:4			
Objective Que	stion		1	

116 3216	Larg	est market for Indian frozen shrimp exports during 2021-22 is :	4.0	1.00
	1.	Thailand		
	2.	United States of America		
	3.	Japan		
	4.	China		
	A1:1			
	A2:2			
	A3:3			
	A4 : 4			
Objective Que	estion			
117 3217	Give	n below are two statements :	4.0	1.00
	State	ement (I): Monopsony is a perfect competition.		
	State	ement (II): Monopoly is an imperfect competition.		
		ght of the above statements, choose the <i>most appropriate</i> answer from the options a 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 Que	estion			<u> </u>

119 3219	Brea	keven point is the ratio of which of the following cost to contribution margin per	4.0	1.00
	1.	Capital cost		
	2.	Variable cost		
	3.	Fixed cost		
	4.	Product of capital cost and variable cost		
	A1:1			
	A2:2			
	A3:3			
	A4 : 4			
Objective Qu	estion			
120 3220			4.0	1.00
	TRI	PS, associated with WTO stands for:		
	1.	Tariff-Related Aspects of Intellectual Property Rights		
	2.	Trade-Related Aspects of International Property Rights		
	3.	Trade-Related Aspects of Intellectual Property Rights		
	4.	Tourism-Related Intellectual Property Rights		
	A1 : 1			
	A2:2			
	A3:3			
	A4 : 4			