

PREVIEW QUESTION BANK

Module Name : Fisheries Resource Management-ENG
Exam Date : 14-Jul-2023 Batch : 14:30-16:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	2001	Choose the incorrect statement regarding the composition of election commission. 1. Appointment of the chief election commissioner and other election commissioners shall be made by the president. 2. President can also appoint regional commissioners after consultation with the election commission. 3. Conditions of service and tenure of office of the election commissioners and regional commissioners shall not be determined by the president. 4. Article 324 under constitution of India is dealing with the composition of election commission. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	2002	Which one of the following amendment acts is referred to as the 'mini constitution'? 1. 42nd 2. 44th 3. 46th 4. 48th A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	2003		4.0	1.00

With regard to the jurisdiction and powers of high court, disputes relating to the election of members of parliament and state legislatures, comes under the ambit of which one of the following jurisdictions?

1. Original
2. Writ
3. Appellate
4. Supervisory

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

4 2004

Which of the following is formed when the moisture is deposited in the form of water droplets on cooler surfaces of solid objects?

1. Frost
2. Fog
3. Mist
4. Dew

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

5 2005

Which of the following is the correct reason for the occurrence of best fishing grounds in the mixing zones (the mixing of warm and cold currents)?

1. It has the moderate temperature
2. It has the slowest sea waves
3. It has the high growth of planktons.
4. It has the sunrays perpendicular to the sea level.

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

Objective Question

6	2006	Eisenhower Cup is associated with which among the following sports? 1. Tennis 2. Chess 3. Football 4. Golf A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

7	2007	Who was the first woman President of the Indian National Congress? 1. Kasturba Gandhi 2. Sarojini Naidu 3. Annie Besant 4. Aruna Ali A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

8	2008	The dockyard was found in which of the following sites in Indus Valley Civilization? 1. Chanhudaro 2. Lothal 3. Kalibangan 4. Banawali A1 : 1	4.0	1.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

9	2009	Who built the famous Charminar of Hyderabad?	4.0	1.00
		1. Krishndev Rai		
		2. Muhammad Quli Qutb Shah		
		3. Nadir Shah		
		4. Aurangzeb		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

10	2010	Who discovered the right triangle?	4.0	1.00
		1. Pythagoras		
		2. Ancient Egyptians		
		3. Archimedes		
		4. Michelangelo		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

11	2011	Citrus canker is caused by	4.0	1.00
		1. Virus		
		2. Viriod		
		3. Bacteria		
		4. Fungus		

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
12	2012	DBM is a specific insect of 1. Brinjal 2. Tomato 3. Cabbage 4. Bottle gourd A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
13	2013	What is the scientific name of mulberry silkworm? 1. Bombyx mori 2. Antherea paphia 3. Antheraea assama 4. Attacus Ricinii A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	2014		4.0	1.00

Subject matter of economics are want, effort and

1. Wealth
2. Growth
3. Satisfaction
4. Income

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

15 2015

The National Bureau of Animal Genetic Resources (NBAGR) is located in

1. Karnal
2. Bengaluru
3. Hisar
4. Jind

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

16 2016

The oldest known agroforestry systems is

1. Alley cropping
2. Taungya systems
3. Home Gardening
4. Shifting cultivation

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

17	2017	The effect or requirement of the relative length of day and night on flowering is called 1. Photomechanics 2. Transpiration 3. Photoperiodism 4. Phytoperiodism A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

18	2018	Which of the following statements are true? (A) Small pores in epidermis of leaves is called stomata. (B) Guard cells present in the stomata are helpful in exchange of gases with atmosphere (C) Transpiration takes place through stomata 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

19	2019		4.0	1.00
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Water holding capacity is highest in which of the following soils?

1. Silt soil
2. Clayey soil
3. Chalk soil
4. Peat soil

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

20 2020

Certified seed is the progeny of

1. Nucleus seed
2. Foundation seed
3. Breeder's seed
4. Registered seed

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

21 121001

Which fragment of the following gene in the mitochondrial genome is widely applied in fish species identification and biodiversity studies?

1. Cytochrome C oxidase I
2. Cytochrome b
3. 12S
4. 16S

A1 : 1

A2 : 2

A3 : 3

4.0 1.00

A4 : 4

Objective Question

22 121002

4.0 1.00

Pangasius icaria, a new species discovered by ICAR-NBFGR and named after ICAR, is from which river?

1. Brahmaputra
2. Godavari
3. Cauvery
4. Krishna

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

23 121003

4.0 1.00

Identify the fish species and nature of relationship with its associate?



1. Clown fish and predation
2. Clown fish and mutualism
3. Damsel fish and mutualism
4. Damsel fish and predation

A1 : 1

A2 : 2

		A3 : 3		
		A4 : 4		
Objective Question				
24	121004	Presence of stripes, spots and scant blotches of colour on fish to disguise themselves by giving the appearance of being more than one object is what type of colouration? 1. Warning colouration 2. Cryptic colouration 3. Disruptive colouration 4. Countershading A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
25	121005	The Mauthner cells present in some fishes are responsible for 1. Detection of food items 2. Quick escape reflex 3. Colour vision 4. Spermatogenesis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
26	121006	Monomeric haemoglobin is found in 1. Sharks 2. Pufferfishes 3. Catfishes 4. Hagfishes	4.0	1.00

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
27	121007	Erichthus larval stage is well noticed in 1. Euphausiidae 2. Palinuridae 3. Squillidae 4. Mysidae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
28	121008	Cryoprotectants are basically used in cryopreservation to 1. Protect cells from freezing 2. Prevent damage caused to cells by freezing 3. Protect cells from pathogens 4. Enhance freezing rate A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
29	121009		4.0	1.00

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3. ICAR-CIFT
4. ICAR-CIFRI

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

30 121010

4.0 1.00

Given below are two statements:

Statement (I) : To qualify as a biodiversity hotspot on Myers' 2000 edition of the hotspot map, a region must have lost at least 50% of its primary vegetation.

Statement (II) : To qualify as a biodiversity hotspot on Myers' 2000 edition of the hotspot map, a region must contain at least 1,500 species of vascular plants as endemics.

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

31 121011

4.0 1.00

What is 'P2P' in Blockchain Technology P2P network?

1. Price to Price
2. Product to Product
3. Peer to Peer
4. Public to Private

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

32 121012

Which species of horseshoe crabs are found in Indian waters?

- (A) *Limulus polyphemus*
- (B) *Carcinoscorpius rotundicauda*
- (C) *Tachypleus tridentatus*
- (D) *Tachypleus gigas*

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

33 121013

Which is the largest sea turtle?

1. Olive ridely
2. Loggerhead
3. Hawksbill
4. Leatherback

4.0 1.00

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

34	121014	For fisheries purpose, fishing activities beyond what zone from shore line is considered as deep sea fishing? 1. Territorial water 2. Contiguous zone 3. Exclusive Economic Zone 4. High sea A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

35	121015	Which among the following primary greenhouse gases is <i>NOT</i> listed in Kyoto protocol? 1. Carbon dioxide 2. Methane 3. Ozone 4. Nitrous oxide A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

36	121016		4.0	1.00
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The Stage in which the Amadori rearrangement occurs in the Maillard reaction is

1. First stage
2. Second stage
3. Third stage
4. Fourth stage

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37 121017

4.0 1.00

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

Assertion (A) : Monosaccharides are sometimes referred to as simple sugars.

Reason (R) : Monosaccharides cannot be broken down into simpler carbohydrate molecules.

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

38 121018

4.0 1.00

Given below are two statements:

Statement (I) : ATP degrades very quickly to IMP, which enhances flavor.

Statement (II) : Accumulation of hypoxanthine is slow and causes an unpleasant taste.

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

39 121019

During chilled storage the dominant psychrotrophic microorganism is

1. *Vibrio cholerae*
2. *Bacillus cereus*
3. *Pseudomonas sp*
4. *Micrococcus sp*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

40 121020

4.0 1.00

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

Assertion (A) : If a fish before capture is less fed, it enters into the rigor stage within less time.

Reason (R) : Less-fed fish will have very little reserves of energy in muscle.

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

41 121021

Arrange the steps in the degradation of ATP in a sequence

- (A) AMP
- (B) IMP
- (C) ADP
- (D) Inosine

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

42 121022

4.0 1.00

4.0 1.00

Given below are two statements:

Statement (I) : Non-protein nitrogen formation is an indicator of autolytic reactions.

Statement (II) : Belly bursting is due to the effect of autolytic proteolysis.

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

43 121023

Pre-frying of fish meant for battering and breading is usually carried out at a temperature of

1. 110-120°C
2. 130-140°C
3. 180-200°C
4. 150-160°C

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

44 121024

4.0 1.00

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

Assertion (A) : Lipid oxidation is a major problem on surface layers of frozen mince block.

Reason (R) : Oxidised lipids react with proteins causing denaturation and drip loss.

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

45 121025

Which of the following are rapid methods of assessing the microbial quality of fish?

- (A) Dye reduction test
- (B) Limulus amoebytic lysate test
- (C) Pour plate technique
- (D) Electrical impedance test

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

46 121026

The bacteria associated with the decarboxylation of histidine to histamine in a scombroid fish is

1. *Lactiplantibacillus plantarum*
2. *Listeria monocytogenes*
3. *Bacillus thermosaccharolyticum*
4. *Morganella morganii*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

47 121027

4.0 1.00

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

List-I	List-II
(A) Aerobic spore formers	(I) <i>Clostridium botulinum</i>
(B) Anaerobic Spore formers	(II) <i>Bacillus coagulans</i>
(C) Lactic acid producing bacteria	(III) <i>Byssochlamys fulva</i>
(D) Acid food spoilage organism	(IV) <i>Lactobacillus brevis</i>

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

48 121028

4.0 1.00

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

List-I	List-II
(A) Thiamine	(I) Light sensitive
(B) Riboflavin	(II) α - Tocopherol
(C) Vitamin B ₆	(III) Heat stable
(D) Natural antioxidant	(IV) Heat sensitive

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

- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
- (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) Arginine	(I) Putrescine
(B) Lysine	(II) Tyramine
(C) Tyrosine	(III) Agmatine
(D) Glutamic acid	(IV) Cadaverine

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

50 121030

4.0 1.00

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

List-I	List-II
(A) Odawara Kamaboko	(I) Deep fried
(B) Yakuniki Kamaboko	(II) Boiled
(C) Chikuwa	(III) Steamed
(D) Tempura	(IV) Roasted

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

51 121031

4.0 1.00

The S.I. unit of One tonne of refrigeration is equal to

- 2.5KW
- 3.5KW
- 4.5KW
- 5.5KW

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

52	121032	Given below are two statements: Statement (I) : Safety messages sent via radiotelephony are prefixed by the word 'SECURITE' sent three times. Statement (II) : Distress calls transmitted by radiotelephony are prefixed by the word 'MAYDAY' sent three times. 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 not 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

53	121033	Ideal percentage of silt for the construction of dyke is 5-10% 10-20 % 15-30% 20-40% A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

54	121034		4.0	1.00
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Match **List-I** with **List-II**

List-I (Method of fishing)	List-II (Fishing gear)
(A) Non-selective fishing	(I) Purse seine
(B) Aggressive method of fishing	(II) Bottom trawl
(C) Paralyse the fish	(III) Gill net
(D) Selective fishing	(IV) Electrical fishing

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 121035

The device which divides the high-pressure side, and the low-pressure side of a refrigerating system is known as

- Condenser
- Evaporator
- Receiver
- Expansion

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

56 121036

4.0 1.00

The ideal site for a fish farm is on land that is

1. Flat only
2. Flat or nearly so
3. Asperous
4. Irregular

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

57 121037

Smaller dugouts in the Kerala coast are known as

1. Odam
2. Thonies
3. Rampini
4. Bepu thoni

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

58 121038

The most widely used fish detection instrument is

1. Sonar
2. GPS
3. Echo-sounder
4. Radar

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

59	121039	The depth at which deep sea vessels operate - Up to 10 fathoms 10-20 fathoms - Beyond 40 fathoms 20-30 fathoms A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

60	121040	The cross-section of the six-seam trawl net generally acquires - The oval shape - Elliptical in shape - Rectangle in shape - Round shape A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

61	121041	Which is true about the LD50? - Dose of a substance to which 50% of animals do not show any response - Dose of a substance which kills 50% of animals exposed 50% of the dose of a substance which can kill an animal 50 mg/kg dose of a substance to test the toxic responses in animals A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

62 121042

4.0 1.00

World water day is celebrated on

1. 22 March
2. 22 June
3. 5 April
4. 5 July

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

63 121043

4.0 1.00

The Stockholm Convention is a global treaty to protect human health and environment from

1. Persistent Organic Pollutants
2. Heavy metals
3. Radioactive Pollution
4. Ultraviolet rays

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 121044

4.0 1.00

OECD stands for

1. Organization for Economic Co-operation and Development
2. Organization for Economic Council and Development
3. Organization for Ecology Co-operation and Development
4. Organization for Economic Co-operation Division

A1 : 1

		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
65	121045	Which one is an Ex- situ mode of bioremediation? 1. Bioventing 2. Biostimulation 3. Landfarming 4. Biosparging A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
66	121046	Neurotoxic shellfish poisoning is caused by 1. Diatom 2. Dinoflagellate 3. Bacteria 4. Brown algae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
67	121047	Study of underwater depth of the ocean floor called as 1. Bathymetry 2. Thermometry 3. Geometry 4. Oceanometry	4.0	1.00

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

68	121048	Which one of the following is formed due to river meandering 1. Bog 2. Peat 3. Ox-bow lakes 4. Salt marsh A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

69	121049	Ratio of energy transfer at different trophic levels in the food chain is called: 1. Metabolic efficiency 2. Ecological efficiency 3. Energy flow rate 4. Food chain complexity A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

70	121050		4.0	1.00
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The cell wall of diatoms composed of

1. Biogenic alumina
2. Biogenic iron
3. Biogenic silica
4. Biogenic magnesia

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

71 1002501

4.0 1.00

Given below are two statements:

Statement (I) : In a typical marine fishery, MEY is left to MSY.

Statement (II) : In a typical fishery, optimal harvest at MEY is less than MSY.

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

72 1002502

4.0 1.00

Identify the specimen given in the picture



1. *Pinctada fucata*
2. *Placuna placenta*
3. *Septaria porcellana*
4. *Crassostrea madrasensis*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73 1002503

Silver pompano is scientifically known as

1. *Alectis indica*
2. *Trachinotus mookalee*
3. *Trachinotus blochii*
4. *Platycephalus indicus*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

74	1002504	Given below are two statements: Statement (I) : Dolphins are toothed whales. Statement (II) : Dolphins have two blowholes. 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

75	1002505	Scientific name of milk shark is <i>Rhizoprionodon acutus</i> <i>Prionace glauca</i> <i>Carcharhinus limbatus</i> <i>Carcharhinus leucas</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

76	1002506		4.0	1.00
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Given below are two statements, one is labelled as **Assertion (A)** and other one labelled as **Reason (R)**.

Assertion (A) : Parrot fishes residing in coral reef areas are recognised as bioeroders of corals.

Reason (R) : Parrot fishes exclusively feed on corals.

In light of the above statements, choose the *most appropriate* 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

Objective Question

77	1002507
----	---------

Whitebaits mainly feed on

1. Phytoplankton
2. Zooplankton
3. Fishes
4. Crustaceans

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0	1.00
-----	------

Objective Question

78	1002508
----	---------

4.0	1.00
-----	------

Which three of the following are the characteristic features of fast muscle fibres in fish?
Choose them.

- (A) Well vascularised
- (B) No myoglobin, usually white
- (C) Larger diameter
- (D) Poorly vascularised
- (E) Abundant large mitochondria

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

79 1002509

Which fish family is protandrous in nature?

- 1. Pomacentridae
- 2. Serranidae
- 3. Scaridae
- 4. Labridae

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

80 1002510

4.0 1.00

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

Assertion (A) : Glochidium larva rapidly disperse to a great distance.

Reason (R) : Glochidium is parasitic on fish.

In light of the above statements, choose the *most appropriate* 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

Objective Question

81 1002511

Sagittal otolith is located in which vesicle?

1. Sacculus
2. Utriculus
3. Lagena
4. Ampulla

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

82 1002512

4.0 1.00

What are the characteristics of Rover-predators?

- (A) Broad caudal peduncle
- (B) Rounded tail
- (C) Streamlined body
- (D) Terminal mouth
- (E) Constant swimmers

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

83	1002513	One of the roles of somatostatin in fishes is	4.0	1.00
		1. Stimulation of cortisol 2. Stimulation of vitellogenesis 3. Osmotic balance 4. Inhibition of growth hormone release		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

84	1002514		4.0	1.00

Radula is found in three of the following genera of molluscs *EXCEPT*?

1. *Pila*
2. *Loligo*
3. *Perna*
4. *Chiton*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

85 1002515

4.0 1.00

Given below are two statements:

Statement (I) : Haemocyanin is blue when oxygenated.

Statement (II) : Haemocyanin is colourless when deoxygenated.

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

86 1002516

4.0 1.00

Trypsinogen is converted into trypsin by

1. Trypsinogenase
2. Gastric acid
3. Enterokinase
4. Carboxypeptidase

A1 : 1

		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
87	1002517	Given below are two statements: Statement (I) : Early maturity and high fecundity are the strategies of K-selection. Statement (II) : Delayed maturity and low fecundity are the strategies of r-selection. 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				
88	1002518	Beverton and Holt's yield per recruit model describes the effects of alteration of which of the following two variables? - Biomass and Fishing mortality - Fishing mortality and Number of survivors - Fishing mortality and age at first capture - Biomass and age at first capture A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
89	1002519		4.0	1.00

If the connectance index is 0.8 and the number of actual links in the given food web is 4, what are the possible links of that food web?

1. 3.2
2. 0.2
3. 4
4. 5

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90 1002520

4.0 1.00

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

Assertion (A) : The data for the first few length groups are excluded from the regression analysis in the estimation of total mortality using length converted catch curve method

Reason (R) : Such excluded length groups are fully recruited to the fishery and are fully exploited.

In light of the above statements, choose the *most appropriate* 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

Objective Question

91 1002521

4.0 1.00

Who and when the term GIS was coined?

1. Roger Tomlinson in the year 1968
2. Evelyn L. Pruitt in the year 1968
3. Roger Tomlinson in the year 1986
4. Evelyn L. Pruitt in the year 1986

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

92 1002522

In Compleat ELEFAN package, MPA stands for

1. Mean Progression Analysis
2. Modal Progression Analysis
3. Mean Production Analysis
4. Marine Production Analysis

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

93 1002523

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

Assertion (A) : Gross efficiency value of upwelling fishery is higher than fishery which aims at apex predators.

Reason (R) : Upwelling fishery harvests fish low in the food chain.

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 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.

4.0 1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

94 1002524

4.0 1.00

Identify the fish species and what is its rank in global marine capture fish production in 2020?



1. *Engraulis ringens*; 1st position
2. *Engraulis ringens*; 2nd position
3. *Gadus chalcogrammus*; 2nd position
4. *Esox lucius*; 1st position

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

95 1002525

4.0 1.00

Which among the following exotic animals are native to South America?

- (A) *Mytella strigata*
- (B) *Mylopharyngodon piceus*
- (C) *Hypostomus plecostomus*
- (D) *Arapaima gigas*
- (E) *Gambusia affinis*

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

96	1002526	What type of dam is Idukki dam?	4.0	1.00
		1. Gravity dam 2. Buttress dam 3. Embankment 4. Arch dam		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

97	1002527		4.0	1.00

'The Disaster Management Act' in India came into existence in the year

1. 1999
2. 2002
3. 2005
4. 2008

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

98 1002528

4.0 1.00

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

List-I	List-II
(Vessels)	(State with the highest number)
(A) Trawlers	(I) Kerala
(B) Dol netters and Bag netters	(II) Karnataka
(C) Ring seiners	(III) Maharashtra
(D) Purse seiners	(IV) Gujarat

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

99 1002529

4.0 1.00

Maximum species diversity of scleractinian corals is found in India are distributed in

1. Gulf of Mannar and Palk Bay
2. Andaman & Nicobar Islands
3. Lakshadweep
4. Gulf of Kutch

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100 1002530

4.0 1.00

Given below are two statements:

Statement (I) : Spiny lobsters can be easily distinguished from true lobsters by their very long, thick, spiny antennae.

Statement (II) : Spiny lobsters can be easily distinguished from true lobsters by the presence of chelae (claws) on the first four pairs of walking legs.

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

101 1002531

4.0 1.00

Which of the following statement with regard to the continental shelf is **NOT CORRECT** ?

1. Highly sedimented
2. Rich in fisheries
3. Abrupt fall towards the continental slope
4. Broad and shallow

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

102 1002532

The most dominant family of scleractinian corals, in terms of species diversity in Indian waters, is

1. Fungiidae
2. Acroporidae
3. Faviidae
4. Poritidae

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

103 1002533

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

List-I	List-II
(Steps in disaster management cycle)	(Major activity)
(A) Mitigation	(I). Rehabilitation
(B) Preparedness	(II). Warning system
(C) Response	(III). Vulnerability analysis
(D) Recovery	(IV). Search and rescue

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

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

4.0 1.00

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

104	1002534	Which of the following is <i>INCORRECTLY</i> matched with respect to seaweeds and their phycocolloids? 1. <i>Sargassum</i> - Algin 2. <i>Padina</i> - Algin 3. <i>Gelidium</i> – Agar 4. <i>Hypnea</i> - Agar A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

105	1002535	Three of the following are abundant along the northwest coast <i>EXCEPT</i>? 1. Non-penaeids 2. Unicorn cod 3. Indian oil sardine 4. Bombay duck A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

106	1002536		4.0	1.00
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All Indian coral reefs are fringing reefs *EXCEPT* coral reefs of?

1. Lakshadweep
2. Gulf of Kachchh
3. Palk Bay And Gulf Of Mannar
4. Andaman and Nicobar

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

107 1002537

4.0 1.00

Given below are two statements:

Statement (I) : Tsunamis are caused by hurricanes.

Statement (II) : Tsunamis have shorter wavelengths than normal wind waves.

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

108 1002538

4.0 1.00

Which of the following peninsular rivers originate in Madhya Pradesh?

- (A) Narmada
- (B) Mahanadi
- (C) Krishna
- (D) Mahi
- (E) Tapi

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

109 1002539

Uniform ban on fishing by all fishing vessels in the Indian EEZ being imposed along the Indian coast applicable to

- 1. The entire stretch of EEZ
- 2. Beyond territorial waters
- 3. Beyond contiguous zone
- 4. Internal waters

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

110 1002540

4.0 1.00

Which species of squid is **NOT** found in Indian marine waters?

1. *Loliolus hardwickei*
2. *Loliolus uyii*
3. *Loligo vulgaris*
4. *Thysanoteuthis rhombus*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

111 1002541

4.0 1.00

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

List-I	List-II
(Fishing method)	(Fish behaviour knowledge required)
(A) Trawling	(I). Feeding
(B) Purse seining	(II). Visibility
(C) Long lining	(III). Shoaling
(D) Gill netting	(IV). Swimming speed

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

112 1002542

4.0 1.00

Which protocol aims for access to genetic resources and the fair and equitable sharing of benefits arising from their utilization to the convention on biological diversity?

1. Kyoto protocol
2. Montreal protocol
3. Nagoya protocol
4. Minamata convention

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

113 1002543

Identify the bycatch reduction device from the folloing

1. Fish ladder
2. Fishway
3. Fish step
4. Fisheye

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

114 1002544

4.0 1.00

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

List-I	List-II
(Convention)	(Aim of the convention)
(A) CITES	(I) Control of disposal of hazardous wastes
(B) CMS	(II) Protection of endangered Species of wild fauna and flora
(C) BASEL	(III) Biosafety
(D) CARTAGENA PROTOCOL	(IV) Protection of migratory species of wild animals

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

115 1002545

A tripartite agreement among the Central Government of India and which of the following states signed in March 2021 for the Ken-Betwa river linking project?

- Uttar Pradesh and Rajasthan
- Uttar Pradesh and Madhya Pradesh
- Uttar Pradesh and Uttarakhand
- Madhya Pradesh and Rajasthan

A1 : 1

A2 : 2

A3 : 3

A4 : 4

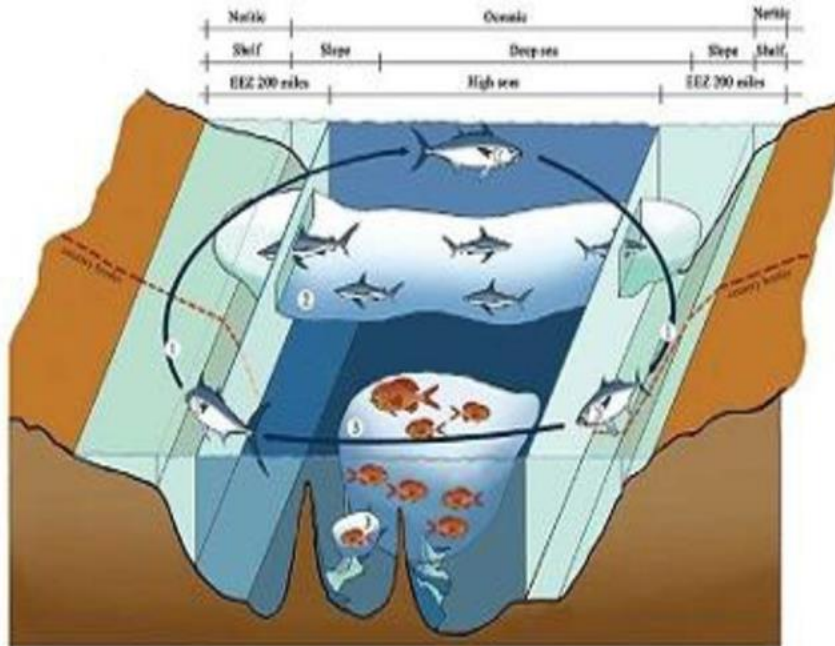
4.0 1.00

Objective Question

116 1002546

4.0 1.00

Study the given picture and identify the category of fish stock present in the region marked as '2'.



1. Transboundary stock
2. Straddling stock
3. Oceanic stock
4. High sea stock

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

117 1002547

4.0 1.00

As per CRZ Notification 2019, in CRZ-III A, the area up to what meters from the HTL on the landward side is earmarked as the 'No Development Zone' if CZMP is framed with due consultative process is

1. 50 m
2. 100 m
3. 200 m
4. 500 m

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

118 1002548

4.0 1.00

The minimum period prescribed for quarantine in approved quarantine premises to import Goldfish is

1. 7 days
2. 14 days
3. 21 days
4. 28 days

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 1002549

4.0 1.00

As per the IUCN Red List, which of the following are grouped under "threatened" category

- (A) Critically endangered
- (B) Extinct in the wild
- (C) Endangered
- (D) Vulnerable
- (E) Rare

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question				
120	1002550	As per the current IUCN Red List, which group among the following has the lower value of Red list Index (RLI)? 1. Mammals 2. Fishes 3. Birds 4. Amphibians A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00