

PREVIEW QUESTION BANK

Module Name : Aquaculture-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?	4.0	1.00
		1. Tennis 2. Chess 3. Football 4. Golf		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

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

Objective Question

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

		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	4.0	1.00
		1. Brinjal		
		2. Tomato		
		3. Cabbage		
		4. Bottle gourd		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

13	2013	What is the scientific name of mulberry silkworm?	4.0	1.00
		1. Bombyx mori		
		2. Antherea paphia		
		3. Antheraea assama		
		4. Attacus Ricinii		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

14	2014		4.0	1.00
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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 131001

The state fish of Tripura is

1. *Ompok pabda*
2. *Ompok bimaculatus*
3. *Clarias dussumieri*
4. *Mystus gulio*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

22	131002	<i>Terapon jarbua</i> is a 1. Stenohaline Fish 2. Euryhaline Fish 3. Freshwater Fish 4. Eurythermal fish A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

23	131003	Scientific name of blood cockle is 1. <i>Scapharca broughtonii</i> 2. <i>Ostrea conchaphila</i> 3. <i>Pecten fumatus</i> 4. <i>Tegillarca granosa</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

24	131004	The permitted level of ethoxyquin in feed to inhibit lipid oxidation is 1. 50 ppm 2. 100 ppm 3. 150 ppm 4. 250 ppm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

25	131005		4.0	1.00
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Thiaminase is an inhibitor present in

1. Wheat germ
2. Sweet clover
3. Alfalfa meal
4. Raw fish

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

26 131006 WSSV was first reported in 4.0 1.00

WSSV was first reported in

1. Ecuador
2. Thailand
3. India
4. Taiwan

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

27 131007 Whirling disease is caused by 4.0 1.00

Whirling disease is caused by

1. *Costea necatrix*
2. *Myxobolus cerebralis*
3. *Myxobolus etropi*
4. *Myxobolus gangu*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

28 131008 4.0 1.00

The India's total production of murrels during 2021-22 is

1. 1.0 lakh tonne
2. 0.5 lakh tonne
3. 2.0 lakh tonnes
4. 1.5 lakh tonnes

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

29 131009

The percentage of Andhra Pradesh's contribution to the total Indian fish production during 2021-22 is

1. 30%
2. 25%
3. 20%
4. 16%

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

30 131010

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

Assertion (A) : The annual average growth rate of Indian marine fish production was more than the Inland fish production during 2021-22.

Reason (R) : The total Indian marine fish production during 2021-22 was 41.27 lakh tonnes.

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

4.0 1.00

A3 : 3

A4 : 4

Objective Question

31 131011

Follicle Stimulating Hormone is also known as

1. LH
2. GtH-I
3. MIH
4. GtH-II

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

32 131012

Which of the following comes under brown algae ?

1. *Laminaria* sp.
2. *Porphyra* sp.
3. *Gracilaria* sp.
4. *Enteromorpha* sp.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

33 131013

Which one of the following is an herbivorous fish ?

1. Rabbit fish
2. Grouper
3. Snapper
4. Seabass

A1 : 1

A2 : 2

A3 : 3

4.0 1.00

A4 : 4

Objective Question

34 131014

Which state uses the technique of Chemmeenketu for stocking of seed ?

1. Odisha
2. Karnataka
3. Kerala
4. Goa

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

35 131015

Which of the following group of virus causes Spring Viremia of Carp (SVC) ?

1. Birnavirus
2. Iridovirus
3. Nodavirus
4. Rhabdovirus

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

36 131016

Which one of the following is known as green tiger shrimp ?

1. *Penaeus semisulcatus*
2. *Metapenaeus dobsoni*
3. *Penaeus japonicus*
4. *Penaeus vannamei*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

37	131017	Name the cell in which the digestive enzymes are synthesized in Shrimp 1. F-cells 2. S-cells 3. B-Cells 4. T-Cells A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

38	131018	The biosynthesis of vitamin C does not occur in fish, due to the lack of which enzyme ? 1. Desaturase 2. Oxaloacetate 3. L-gulanolactone oxidase 4. 3-phosphoglycerate A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

39	131019	The essential fatty acid required by the lower trophic-level freshwater fish is in the form of 1. Eicosapentanoic acid 2. Arachidonic acid 3. Docosa hexaenoic acid 4. α-Linolenic acid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

40	131020		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) : Fishes require micro-minerals in low concentration.

Reason (R) : Trace minerals are less important for 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

41 131021

An increase of more than 10-fold of ventilation rate in fish is found with critical air saturation level

1. Less than 80% air saturation level
2. Less than 60% air saturation level
3. Less than 40% air saturation level
4. Less than 20% air saturation level

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

42 131022

An increase in the number of cells that can cause enlargement of tissues or organs is known as

1. Hyperplasia
2. Hypertrophy
3. Atrophy
4. Autolysis

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

Objective Question

43 131023

The causative agent of columnaris disease in fish

1. *Flavobacterium*
2. *Renibacterium*
3. *Yersinia*
4. *Aeromonas*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

44 131024

Which of the following is not a biofertilizer?

1. *Salmonella*
2. *Rhizobium*
3. *Nostoc*
4. *Azolla*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

45 131025

The chemical responsible for blue baby syndrome

1. Hydrogen sulphide
2. Carbon monoxide
3. Ozone
4. Nitrate

A1 : 1

A2 : 2

A3 : 3

4.0 1.00

		A4 : 4		
Objective Question				
46	131026	IgM in teleost serum is mainly present as 1. Monomer 2. Tetramer 3. Pentamer 4. Dimer A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
47	131027	The suitable diagnosis technique used for study the tissue tropism is 1. Histology 2. ELISA 3. qPCR 4. Microarray A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
48	131028	A selective medium for pathogenic Vibrios that promotes growth 1. Shott's –Waltman medium 2. Cytophaga agar 3. Thiosulphate Citrate Bile Salt Sucrose 4. Rimler-Shott's agar A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

49	131029	Lymphoid organ is only present in 1. Crab 2. Crayfish 3. Lobster 4. Penaeid shrimp A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

50	131030	<i>Leucaena</i>, a legume, contains which toxic protein ? 1. Mimosine 2. Gossypol 3. Saponin 4. Tannins A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

51	131031	MBV is diagnosed by the squash method using the stain 1. Giemsa stain 2. Ziehl-Neelsen stain 3. Gram stain 4. Malachite green A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

52	131032		4.0	1.00
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Which of the following leukocyte cell contains high amount of myeloperoxidase?

1. Lymphocytes
2. Neutrophiles
3. Mast cells
4. Macrophages

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

53 131033

Which is the first fish cell line?

1. GF1
2. FHM
3. RTG-2
4. CHSE-214

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

54 131034

The headquarters of World Organisation of Animal Health (WOAH) is located in

1. Geneva
2. Paris
3. New York
4. Kenya

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

55 131035

4.0 1.00

Dactylogyrus, a monogenean parasite, mainly affects

1. Gills
2. Skin
3. Fins
4. Eye

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

56	131036	As per FAO (2022), what is the world total latest fish production ?	4.0	1.00
1. 189 mmt 2. 224 mmt 3. 171 mmt 4. 214 mmt				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

57	131037	As per FAO (2022), what is the total world aquaculture production in 2020?	4.0	1.00
1. 123 mmt 2. 68 mmt 3. 87.5 mmt 4. 214 mmt				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

58	131038		4.0	1.00
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Which of the following vitamin involve in blood clotting of fish ?

1. Vitamin C
2. Vitamin D
3. Vitamin K
4. Vitamin E

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

59 131039

4.0 1.00

Given below are two statements:

Statement (I) : In the manufacture of extruded feeds, high pressure is used.

Statement (II) : In the manufacture of extruded feeds, high temperature is used.

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

Objective Question

60 131040

4.0 1.00

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

List-I	List-II
Minerals	Requirements by common carp (mg/kg diet)
(A) Phosphorous	(I) 13
(B) Manganese	(II) 6000-7000
(C) Magnesium	(III) 15-30
(D) Zinc	(IV) 400-500

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

61 131041

4.0 1.00

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

List-I	List-II
Common fatty acids	No of carbon atoms/ double bonds
(A) Linolenic acid	(I) 20:4
(B) Arachidonic acid	(II) 20:5
(C) Eicosapentaenoic acid	(III) 18:3
(D) Oleic acid	(IV) 18:1

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

62	131042	Degradation of asparagine and aspartic acid to oxaloacetate takes place following series of 1. Reaminations 2. Carbolic processes 3. Citric acid cycle 4. Deaminations A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

63	131043	What is the current (2021-22) annual growth of Indian fish production? 1. 7.2% 2. 10.34% 3. 12.8% 4. 6.31% A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

64	131044	Which of the following one is a permitted antioxidant ? 1. BHA 2. Ethoxyquin 3. BHT 4. Propionate A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

65 131045

4.0 1.00

Match List-I with List-II

List-I	List-II
Amino acids	Requirement by fish (g/100g protein)
(A) Arginine	(I) 0.3 - 1.4
(B) Lysine	(II) 2.2 - 6.5
(C) Methionine	(III) 4.1 - 6.1
(D) Tryptophan	(IV) 3.3 - 5.9

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

66 131046

4.0 1.00

Given below are two statements:

Statement (I) : In the manufacture of extruded feeds, small air pockets are formed inside, so that feeds float in the water.

Statement (II) : Usually, in the manufacture of extruded feeds low moisture is used when compare to normal pelleted feeds.

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

- Both **Statement (I)** and **Statement (II)** are correct.
- Both **Statement (I)** and **Statement (II)** are incorrect.
- 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

Objective Question

67 131047

Which of the following Vitamin serve as a natural antioxidant ?

1. Vitamin B6
2. Vitamin D
3. Vitamin K
4. Vitamin E

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

68 131048

What is the percentage fisheries contribution to Indian economy (GVA) and Agricultural economy (2021-22) respectively ?

1. 0.9 and 5.6
2. 1.9 and 7.3
3. 1.1 and 6.72
4. 0.8 and 4.8

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

69 131049

What is the foreign exchange value of fish and fishery products exported from India to overseas markets (2021-22) ?

1. Rs. 57586 crores
2. Rs. 37284 crores
3. Rs. 65283 crores
4. Rs. 46234 crores

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

70	131050	What is the total Indian fish production (2021-22) ? 1. 10.8 mmt 2. 14.2 mmt 3. 22.4 mmt 4. 16.2 mmt A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

71	1002701	What is the common name of Scirpus? 1. Bullrush 2. Muskgrass 3. Fanwort 4. Water smartweed A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

72	1002702	What would be the Food Conversion Efficiency (FCE) if the total amount of feed offered on a dry weight basis is 100 g/ fish over the period, and the fish increase in average weight from 100 to 200 g ? 1. 25% 2. 50% 3. 100% 4. 200% A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

73	1002703	Sulfur containing amino acid is 1. Tryptophan 2. Cystein 3. Proline 4. Tyrosine A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

74	1002704	Scientific name of rabbit fish is 1. <i>Sciaenops ocellatus</i> 2. <i>Sparus aurata</i> 3. <i>Mylio berda</i> 4. <i>Siganus guttatus</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

75	1002705	Which of the following parasites resembles <i>Limulus polyphemus</i> in morphology ? 1. <i>Argulus</i> sp. 2. <i>Lernea</i> sp. 3. <i>Ergasilus</i> sp. 4. <i>Bothriocephalus</i> sp. A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

76	1002706	Which of the following is not used as anaesthesia ?	4.0	1.00
		1. 2- Phenoxyethanol 2. Benzocaine 3. Sodium citrate 4. Sodium bicarbonate		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

77	1002707	Fee-fishing means	4.0	1.00
		1. Open water fishing where fishing is made free for a particular period to the public 2. Promotional fishery by private entrepreneurs to the poor people of the neighboring villages 3. A kind of sport fishing where anglers catch the fish and pay price for his/her catch 4. A community fishing activity where all are allowed to catch fish		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

78	1002708	The most suitable soil for fish pond construction is	4.0	1.00
		1. Clay loam 2. Silty loam 3. Sandy clay 4. Sandy loam		

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

79 1002709

The hydraulic gradient for good clay soil is

1. 1 in 4
2. 1 in 5
3. 1 in 3
4. 1 in 6

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

80 1002710

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

Assertion (A) : Oxygen transfer from the atmosphere to water is a function of the surface area available.

Reason (R) : Deeper ponds retain more dissolved oxygen from the atmosphere.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

81 1002711

4.0 1.00

Aeration would be profitable in fish ponds, only when water is

1. <70% saturated
2. < 80% saturated
3. < 90% saturated
4. < 100% saturated

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

82 1002712

‘NAADAN’ is a hybrid of

1. Female Rohu and Male Catla
2. Male Rohu and Female Catla
3. Female Rohu and male Mrigal
4. Male Rohu and Female Mrigal

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

83 1002713

The state fish of Haryana is

1. *Mystus aor*
2. *Wollago attu*
3. *Labeo calbasu*
4. *Cirrhinus reba*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question			
84	1002714	Which one of the following is known as Malabar Labeo and a popular endemic carp species of Western Ghats 1. <i>Labeo pangusia</i> 2. <i>L. dussumieri</i> 3. <i>L. fimbriatus</i> 4. <i>L. dyocheilus</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0 1.00
Objective Question			
85	1002715	<i>Tor putitora</i> males and females, respectively mature in 1. 1⁺ and 2⁺ years 2. 2⁺ and 3⁺ years 3. 2⁺ and 4⁺ years 4. 3⁺ and 5⁺ years A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0 1.00
Objective Question			
86	1002716	Chocolate Mahseer eggs are 1. Demersal 2. Semi-pelagic 3. Pelagic 4. Free-floating A1 : 1 A2 : 2 A3 : 3	4.0 1.00

A4 : 4

Objective Question

87 1002717

The colour of fertilized eggs of striped murrel is

1. Brownish
2. Deep orange
3. Straw yellow
4. Greenish

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

88 1002718

Scientific name of Butter Fish is

1. *Scatophagus argus*
2. *Terapon jarbua*
3. *Trachinotus blochii*
4. *Lethrirus lentjan*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

89 1002719

Fully mature cobia fish weight is around

1. 2-3 kg
2. 4-6 kg
3. 8-10 kg
4. 12-14 kg

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

Objective Question

90	1002720	Metamorphosis of the Indian Pampano larvae starts on the 1. 13th day 2. 17th day 3. 22nd day 4. 28th day A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

91	1002721	Groupers are protogynous hermaphrodites and hence sex reversal for getting males is carried out by hormonal implantation using a combination of 17-α methyl testosterone & letrozole at 1. 5 mg & 0.2 mg/kg body weight, respectively 2. 5 mg & 2 mg/kg body weight, respectively 3. 10 mg & 0.2 mg/kg body weight, respectively 4. 10 mg & 2 mg/kg body weight, respectively A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

92	1002722	Pink ear emperor bream, <i>Lethrinus lentjan</i> is a 1. Protogynous hermaphrodite 2. Protoandrous hermaphrodite 3. Bisexual 4. It may become Protandrous or Protogynous depending upon the environment	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

93 1002723

4.0 1.00

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

Assertion (A) : Artemia nauplius is the best live food for grouper 'or' bream larvae during initial larval rearing.

Reason (R) : In recent years, grouper seed production is feasible on a commercial scale in India.

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

94 1002724

4.0 1.00

Sac fry of rainbow trout metamorphose into swim-up fry stage in

1. 5-9 days
2. 10-14 days
3. 18-22 days
4. 25-29 days

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

95	1002725	Largest Penaeid shrimp in the world is 1. <i>Penaeus merguensis</i> 2. <i>Penaeus vennamei</i> 3. <i>Penaeus japonicus</i> 4. <i>Penaeus monodon</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

96	1002726	During larval development, the <i>P. indicus</i> larvae pass through following different stages 1. Naupli-5, Protozoa-4, Mysis-3 2. Naupli-6, Protozoa-4, Mysis-3 3. Naupli-6, Protozoa-3, Mysis-3 4. Naupli-5, Protozoa-3, Mysis-3 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

97	1002727	The ovary color of the fully mature female of <i>Scylla serrata</i> is 1. Dark orange 2. Light brown 3. Dark green 4. Light yellow A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

98 1002728

Water salinity required for rearing of blue swimmer crab larvae is

1. 10-12 ppt
2. 16-18 ppt
3. 24-26 ppt
4. 30-32 ppt

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

99 1002729

In Sand Lobster, male genital opening is present at the base of

1. 3rd walking leg
2. 5th walking leg
3. 3rd pleopod
4. 5th pleopod

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

100 1002730

How many days are required for the completion of larval stages in *Penaeus semisulcatus*?

1. 7-8 days
2. 9-10 days
3. 12-13 days
4. 15-18 days

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

Objective Question

101	1002731	Fully mature milkfish has ova diameter in the range of 1. 350 µm-400 µm 2. 650 µm-700 µm 3. 900 µm-950 µm 4. 1100 µm-1150 µm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

102	1002732	The average survival during spawn to fry rearing in striped murrel is 1. 15-25 % 2. 35-45 % 3. 50-60 % 4. 70-80 % A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

103	1002733	Fecundity of Chocolate Mahaseer is 1. 3,500 eggs/kg body weight 2. 1,500 eggs/kg body weight 3. 6,000 eggs/kg body weight 4. 11,000 eggs/kg body weight A1 : 1	4.0	1.00
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A2 : 2

A3 : 3

A4 : 4

Objective Question

104	1002734	Propagation of trout originated in 1. Japan 2. China 3. France 4. Norway A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

105	1002735	The oldest form of coastal aquaculture is probably 1. Oyster farming 2. Milkfish farming 3. Sea-weeds farming 4. Pearl farming A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

106	1002736	Size of silt particles are 1. 2.0-0.05 mm 2. 0.05-0.002 mm 3. 0.002-0.0002 mm 4. < 0.0002 mm	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

107 1002737

4.0 1.00

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

Assertion (A) : In the pond having acid sulphate soil, phosphorus becomes a limiting nutrient for the growth of algae.

Reason (R) : The available iron and aluminum renders phosphorus unavailable.

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

108 1002738

4.0 1.00

The lethal salinity level for *Cyprinus carpio* is

1. 5 ppt
2. 8 ppt
3. 12 ppt
4. 3 ppt

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

109	1002739	The construction of pond dyke may be independent of 1. Type of soil 2. Water depth required in the ponds 3. Possible erosion 4. Rainfall A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

110	1002740	The cage culture possibly originated in 1. Kampuchea 2. Indonesia 3. Japan 4. China A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

111	1002741	“Drug resistance effect” could be induced by repeated injections of 1. LH-RH 2. Pituitary extract 3. HCG 4. Letrozole A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

112	1002742	Acetone dried fish pituitary glands retain their activity for 1-2 years 3-4 years 4-5 years 6-10 years A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

113	1002743	Myriophyllum is - Floating weed - Submerged weed - Marginal weed - Emergent weed A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

114	1002744	Which of the following fishes cannot be used for biological control of aquatic weeds? - Grass carp - Tawes - Tilapia - Bream A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

115	1002745	A crustacean which damages the pond dyke by making holes is 1. Ondatra 2. Thalassina 3. Lutra 4. Aeoryx A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

116	1002746	Present contribution of India to the world fish production is 1. 4% 2. 6% 3. 8% 4. 11% A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

117	1002747	Inland fish production of India during 2021-22 is 1. 121.21 lakh tonnes 2. 111.21 lakh tonnes 3. 131.21 lakh tonnes 4. 101.21 lakh tonnes A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

118 1002748

4.0 1.00

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

Assertion (A) : Biofloc system is an efficient sustainable aquaculture system.

Reason (R) : Biofloc system maintain water quality by the uptake of nitrogen compounds generating “in situ” for microbial protein production.

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

119 1002749

4.0 1.00

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

Assertion (A) : “Jayanti rohu” is an output of the selective breeding program.

Reason (R) : Selective breeding help to minimize the inbreeding.

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

120 1002750

4.0 1.00

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

Assertion (A) : Size homogeneity during seed rearing leads to cannibalism in carnivorous fishes.

Reason (R) : Murrels are carnivorous fishes.

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