

PREVIEW QUESTION BANK

Module Name : Aquaculture-ENG
Exam Date : 09-Jul-2023 Batch : 14:30-16:30

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

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

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

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

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

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

Objective Question				
16	2016	What is the minimum forest cover to be maintained as per the National Forest Policy, 1988? 1. One-half 2. One-third 3. One-fourth 4. Two-third A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
17	2017	Who among the following is known as the "Father of Agronomy"? 1. Stephen Hales 2. Gregor Johann Mendel 3. Peter Decresenzi 4. D N Walia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
18	2018	Which of the following plant hormones helps in shoot elongation? 1. Auxin 2. Gibberellic acid 3. Absciscic acid 4. Cytokinin A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
19	2019		4.0	1.00

		Select from the following the chemical property of soil..... 1. Colour 2. pH 3. Texture 4. Structure A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
20	2020	The process of separating quality grains from chaff is called as..... 1. Winnowing 2. Threshing 3. Harvesting 4. Tilling A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
21	131001	The area between the euphotic and aphotic zone is called as 1. Synphotic zone 2. Aphotic zone 3. Photic zone 4. Dysphotic zone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
22	131002		4.0	1.00

		Which of the following fish shows parental care? 1. Climbing perch 2. Pabdah catfish 3. Murrels 4. Grouper A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
23	131003	In Goa, the coastal low-lying field is known as 1. Khazan land 2. Khars land 3. Pokalli field 4. Bheries A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
24	131004	Which one of the following fish has the highest fecundity? 1. Murrel 2. Grouper 3. Rohu 4. Mahseer A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
25	131005		4.0	1.00

		<i>Osteobrama belangeri</i> is the state fish of 1. Himachal Pradesh 2. Manipur 3. Arunachal Pradesh 4. Meghalaya A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
26	131006	<i>Barbonymus gonionotus</i> attains maturity in 1. Third year 2. Fourth year 3. First year 4. Second year A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
27	131007	Total fish seed produced in India during 2020-21 was 1. 521856 lakh fry 2. 540690 lakh fry 3. 481974 lakh fry 4. 603581 lakh fry A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
28	131008		4.0	1.00

Ammonia diffuses from water to the atmosphere especially when the pH is

1. 6-7
2. <5.5
3. >8
4. 7-8

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

29	131009	The water depth at which the rate of photosynthesis for an individual plant equals the rate of respiration by that plant is called as, 1. Transparency depth 2. Equilibrium depth 3. Secchi disc depth 4. Compensation depth A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

30	131010	State fish of Telangana is 1. Striped murrel 2. Giant murrel 3. Spotted murrel 4. Malabar murrel A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

31	131011		4.0	1.00
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To make 100 ml of 1 N solution, how much Na_2CO_3 will be required?

1. 10.6 g
2. 5.03 g
3. 5.30 g
4. 50.3 g

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

32	I31012	Which of the following carotenoids have the highest vitamin A activity? 1. Gamma carotene 2. Omega carotene 3. β-Carotene 4. α-Carotene A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

33	I31013	The major antinutritional factor present in soybean meal which may affect the growth of fish is 1. Trypsin inhibitor 2. Tannin 3. Oxalate 4. Phytic acid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

34	I31014		4.0	1.00
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Artemia cysts contain an embryo whose development is arrested at

1. 32-Celled stage
2. Blastula stage
3. Gastrula stage
4. M₂ state

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

35	I31015	The most commonly present immunoglobulins in fishes 1. IgG 2. IgM 3. IgW 4. IgH A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

36	I31016	<i>Notonecta</i> is commonly known as 1. Water scorpion 2. Water stick insect 3. Backswimmer 4. Water boatman A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

37	I31017		4.0	1.00
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The Scientific name of humpback mahseer is

1. *Tor malabaricus*
2. *Tor mosal*
3. *Tor macrolepis*
4. *Hypselobarbus mussullah*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

38	131018	Nitrogen is considered as a major limiting nutrient in 1. Brackishwater 2. Freshwater 3. Sea water 4. Estuary A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

39	131019	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Fish culture in RAS is more economical. Reason (R) :RAS is suitable for fish culture in Peri-urban areas. 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	4.0	1.00
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Objective Question

40	131020	The family of WSSV is 1. Nimaviridae 2. Iridoviridae 3. Adenoviridae 4. Herpesviridae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

41	131021	Which pH range is designated as "Acid death point" in aquaculture? 1. 5.5-6.0 2. 5.0-5.5 3. 4.5-5.0 4. 4.0-4.5 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

42	131022	The target organ of cadmium toxicity 1. Brain 2. Liver 3. Kidney 4. Gills A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

43	131023		4.0	1.00
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		Which of the following is a natural antioxidant? 1. Retinol 2. Pantothenic acid 3. Ergocalciferol 4. Tocopherol A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
44	131024	Selective culture medium used for isolation of <i>Aeromonas hydrophila</i> is 1. TSA 2. Cytophaga agar 3. Simmon citrate agar 4. Rimlar-shot agar A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
45	131025	The intermediate host of nematodes 1. Molluscs 2. Fish 3. Arthropods 4. Birds A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
46	131026		4.0	1.00

A measurement of 10 ppm concentration is equivalent to

1. 10 g/mL
2. 10 mg/L
3. 10 g/L
4. 10 µg/L

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

47	131027	Father of Marine Microbiology 1. Albert J. Kluyver 2. Claude ZoBell 3. Selman A. Waksman 4. Richard Y. Morita A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

48	131028	Quorum sensing is related to 1. Bacteria-bacteriophage communication 2. Bacteria-bacteria communication 3. Bacteria-fungus communication 4. Bacteria-algae communication A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

49	131029		4.0	1.00
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Inhibition of acetylcholinesterase (AChE) is the mode of toxicity of which pesticide?

1. Organophosphates
2. Rotenone
3. Organochlorines
4. Pyrethrins

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

50	131030	The changes in cell morphology caused by infecting virus are called 1. Necrosis 2. Infection 3. Cytopathic effect 4. Neutralization effect A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

51	131031	In the following, which is not a prophylaxis measure in aquaculture? 1. Vaccine 2. Biocides 3. Probiotic 4. Immunostimulant 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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		Haematocrit value is the ratio of 1. RBC to plasma 2. Platelets to plasma 3. Total Blood Cells to plasma 4. WBC to plasma A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
53	I31033	Which parasite is commonly known as fish louse? 1. <i>Argulus</i> 2. <i>Lernaea</i> 3. <i>Calanus</i> 4. <i>Hirudinea</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
54	I31034	Tilapia Lake virus (TiLV) belongs to 1. Orthomyxovirus 2. Paramyxovirus 3. Rhabdovirus 4. Iridovirus A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
55	I31035		4.0	1.00

The effective method for inactivating viruses is

1. Heat at 42 °C for 1-2 hours
2. Heat at 56 °C for 1-2 hours
3. Exposed to 0.5% solutions of Sodium hydroxide
4. Exposed to 1% solutions of Sodium hydroxide

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

56 131036 4.0 1.00

Which of the following group of fish are primarily cultured in Japan, Europe and North America, and are largely marine fishes ?

1. Herbivores
2. Carnivores
3. Omnivores
4. Plankton feeders

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

57 131037 4.0 1.00

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

List-I	List-II
Histidine requirement (% dietary protein)	Species
(A). 2.25	(I). Common carp
(B). 2.10	(II). Rohu
(C). 1.7	(III). Prawn
(D). 0.7	(IV). Tilapia

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

58 131038

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:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

59 131039

4.0 1.00

Which among the following amino acid is required in least quantity (as % dietary protein) for in the diet of Indian major carps?

1. Tryptophan
2. Arginine
3. Leucine
4. Lysine

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question				
60	I31040	Which one of the following organisms is the best for nutritional enrichment ? 1. Moina 2. Ostracod 3. Daphnia 4. Artemia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
61	I31041	Degradation of asparagine and aspartic acid to oxaloacetate takes place following series of 1. Citric acid cycle 2. Reaminations 3. Deaminations 4. Carbohic processes A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
62	I31042	Among the following, who has worked extensively on brood stock nutrition of red sea bream ? 1. Kanazawa 2. T Watanabe 3. John Halver 4. C B Cowy A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	I31043		4.0	1.00

Demand feeders are commonly not used in the culture of which of the following ?

1. Catla
2. Trout
3. Channel catfish
4. Shrimp

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64	131044	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : In the manufacture of extruded feeds, high temperature, high pressure and high moisture are used. Reason (R) : In the manufacture of extruded feeds, high temperature, high pressure and high moisture are used, so that hard pellets without any airpockets inside are formed. In light of the above statements, choose the <i>correct</i> answer from the options given below. 1. Both (A) and (R) are true and (R) is the correct explanation of (A). 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A). 3. (A) is true but (R) is false. 4. (A) is false but (R) is true. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

65	131045	Given below are two statements: Statement (I): The book 'Fish nutrition in aquaculture' is written by De Silva and R Suhasinghe Statement (II): The book 'Fish nutrition in aquaculture' is written by De Silva and Andersen 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	4.0	1.00
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		A3 : 3		
		A4 : 4		

Objective Question

66	131046	Apparent digestibility coefficient (%) value is relatively higher when the following ingredient is the main source of protein 1. Fish meal 2. Slaughter house waste 3. Solvent extracted soybean oil cake 4. Potato starch A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

67	131047	As per FAO (2022), which of the following is ranked first in world aquaculture production? 1. Common carp 2. Grass carp 3. Nile tilapia 4. Channel catfish A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

68	131048	Which of the following statement is TRUE? 1. Fish can synthesise n-3 but not n-6 PUFAs 2. Fish can synthesise n-6 but not n-3 PUFAs 3. Fish can synthesise both n-3 and n-6 PUFAs 4. Fish cannot synthesise n-3 and n-6 PUFAs A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question				
69	131049	CIFAMA, a fish feed developed by ICAR-CIFA, exclusively for 1. Magur 2. <i>Macrobrachium</i> 3. Milk fish 4. Mahseer A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
70	131050	Which of the following proteolytic enzyme hydrolyses the peptide bonds between arginine and lysine? 1. Pepsin 2. Chymotrypsin 3. Trypsin 4. Carboxypeptidase A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
71	1002701	The soil porosity can be reduced by applying soil that contains more of 1. Fine sand 2. Clay 3. Silt 4. Loam A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
72	1002702		4.0	1.00

In Karnataka, a salt-resistant variety of rice is grown in Kharlands. What is the name of that rice variety?

1. Pokkali
2. Kruppa
3. Kumeru
4. Kagga

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73	1002703	The carbon:nitrogen:phosphorus ratio required by most phytoplankton species is 1. 106:16:1 2. 50:10:5 3. 30:12:1 4. 20:10:1 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

74	1002704	<i>Bangana dero</i> is known as 1. Olive barb 2. Chaguni 3. Dero carp 4. Kalaban A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

75	1002705		4.0	1.00
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		The dosage of HCG for breeding of cobia is 1. 500 IU/kg body weight for female & 250 IU/kg body weight for male 2. 800 IU/kg body weight for female & 400 IU/kg body weight for male 3. 1200 IU/kg body weight for female & 600 IU/kg body weight for male 4. 2000 IU/kg body weight for female & 1500 IU/kg body weight for male A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
76	1002706	<i>Epinephelus coioides</i> larvae metamorphose to juveniles in about 1. 17-22 days post-hatch 2. 26-30 days post-hatch 3. 33-37 days post-hatch 4. 43-47 days post-hatch A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
77	1002707	The first food for <i>Lethrinus lentjan</i> is 1. Nauplii of <i>Acartia</i> sp. 2. <i>Artemia</i> nauplii 3. Cladocerans 4. <i>Moina</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	1002708		4.0	1.00

		Generally, penaeid shrimp larvae starts feeding at 1. Naupli-5 stage 2. Protozoa-I 3. Nauplii-3 stage 4. Protozoa-III A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
79	1002709	<i>Scylla serrata</i> has 1. 4 zoeal stages and 1 megalopa stage 2. 5 zoeal stages and 1 megalopa stage 3. 4 zoeal stages and 3 megalopa stages 4. 5 zoeal stages and 3 megalopa stages A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
80	1002710	Fourth Phyllosomal stage of sand lobster is also called as 1. Nisto 2. Calyptosis 3. Puerulus 4. Cypris A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
81	1002711		4.0	1.00

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

Assertion (A): Fertilized eggs of milkfish appear slightly yellowish.

Reason (R): Fertilized eggs hatch in 24-25 hrs at a water temperature of 27-29° C.

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

82	1002712	Fertilized eggs of Chocolate Mahaseer are having a diameter of 1. 1.2-1.5 mm 2. 2.0-2.5 mm 3. 3.0-3.5 mm 4. 4.0-4.5 mm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

83	1002713	The earliest brackishwater farming in Southeast Asia appears to have originated in 1. Thailand 2. Cambodia 3. Vietnam 4. Indonesia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question				
84	1002714	The acid sulphate soil may not be characterized by 1. More iron & aluminum ions 2. High organic matter content 3. Pale yellow mottles on the top soil 4. Increase concentration of Nitric acid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
85	1002715	Scientific name of greasy grouper is 1. <i>Epinephelus tauvina</i> 2. <i>E. akaara</i> 3. <i>E. coioides</i> 4. <i>E. malabaricus</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
86	1002716	Hammock is used in fish hatchery for 1. Spawning of fishes 2. Stripping and fertilization 3. Transport of breeders 4. Hatching of fertilized eggs A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
87	1002717		4.0	1.00

In an algal culture system, stock culture requires incident light of

1. 200-500 lux
2. 750-1000 lux
3. 3200-3500 lux
4. 2500-3000 lux

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

88	1002718	The average size of <i>Brachionus plicatilis</i> is 1. 100-130 µm 2. 140-160 µm 3. 250-260 µm 4. 350-380 µm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

89	1002719	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A): Pre-adult artemia is known to be more nutritive than freshly hatched nauplii. Reason (R): Because as they grow, protein contents increase and fat content decreases. 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	4.0	1.00
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Objective Question				
90	1002720	A complex primarily composed of filamentous green algae and associated forms of life is called as 1. Lab-Lab 2. Lumut 3. Algal bloom 4. Kalaban A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
91	1002721	Which of the following chemical is not used as antioxidant in feed? 1. Butylated hydroxyanisole 2. Butylated hydroxytoluene 3. Ethoxyquin 4. Cyclopropane A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
92	1002722	The maturation process is inhibited in crustaceans by 1. Crustecdysone 2. GIH 3. LH-RH 4. Ecdysone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
93	1002723		4.0	1.00

		Monosex female tilapia can be produced by treatment with 1. Oestrone 2. 17 ∞ MT 3. Letrozole 4. Fetrozole A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
94	1002724	Genetic gains through selection, in the case of salmonids, is inversely related to 1. Selection differentials 2. Genetic variance 3. Length of the generation interval 4. High phenotypic variance A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
95	1002725	The Sunshine bass is a cross between 1. <i>Morone chrysops</i> and <i>M. saxatilis</i> 2. <i>M. americana</i> and <i>M. chrysops</i> 3. <i>M. saxatilis</i> and <i>M. mississippiensis</i> 4. <i>M. mississippiensis</i> and <i>M. americana</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
96	1002726		4.0	1.00

		A round pearl with highest lustre is known as 1. Mabe pearl 2. Keshi pearl 3. Akoya pearl 4. Baroque pearl A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
97	1002727	Which group of weeds are generally difficult to control in aquaculture and therefore considered more noxious than all others? 1. Floating weeds 2. Submerged weeds 3. Marginal weeds 4. Emergent weeds A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
98	1002728	<i>Thalassina</i> is also called as 1. Burrowing shrimp 2. Sleeping shrimp 3. Fairy shrimp 4. Red shrimp A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
99	1002729		4.0	1.00

The most important requisite for a fish to be selected as a commercially viable aquaculture species is

1. Profitability
2. Growth rate
3. Fish size
4. Captive seed production

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100	1002730	In a fish pond, the pH will be higher during 1. 4.00 am 2. 11.00 am 3. 11.00 pm 4. 4.00 pm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

101	1002731	The active ingredient of tea seed cake is 1. Cyclomethrine 2. Phostoxin 3. Saponin 4. Rotenone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

102	1002732		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): Freshwater Integrated Multi-Trophic Aquaculture (FIMTA) works on the principle similar to circular economy.

Reason (R) : FIMTA integrates the production of aquaculture species of different trophic levels and maximizes the energy loss

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

103	1002733	In a RAS, the water ammonia level is controlled through the bacterial activities in 1. Drum filter 2. Skimmer 3. Biological filter 4. Ozonizer A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

104	1002734	1 mg/liter of Alum consumes the total alkalinity of about 1. 0.5 mg/L 2. 1 mg/L 3. 5 mg/L 4. 10 mg/L A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

105	1002735	The main physical factor that help in initiating the gonadal maturation in carps 1. Nutrient level in water 2. Dissolved oxygen 3. Water hardness 4. Temperature A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

106	1002736	If 400 mg NaOH is dissolved in 1 L of water, What will be the strength of the solution? 1. 0.1 N 2. 0.01 N 3. 0.001N 4. 1.0 N A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

107	1002737	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A): Osmoconformers have osmotic pressure of their body fluid very close to that of the external medium. Reason (R): These kind of animals cannot control salt concentration and osmotic pressure of their body fluids. 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	4.0	1.00
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		A4 : 4		
Objective Question				
108	1002738	In the fish gonad maturation process, aquaporin helps in 1. Oocyte hydration 2. Spermatozoa activation 3. Oocyte maturation 4. Spermatozoa maturation A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
109	1002739	The goldfish, <i>Carassius auratus</i> is an 1. Egg depositer 2. Egg burriere 3. Nest builders 4. Egg scatterers A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
110	1002740	<i>Spirodella</i> is an example of 1. Floating weed 2. Submerged weed 3. Marginal weed 4. Emergent weed A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

111	1002741	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Vaccination is more effective in fishes in comparison to shellfishes. Reason (R) :Acquired immunity is well developed in finfishes. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below . - Both (A) and (R) are correct and (R) is the correct explanation of (A). - Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). (A) is correct but (R) is not correct. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

112	1002742	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A): Murrels can survive in water bodies having less dissolved oxygen and heavily infested with aquatic macrophytes. Reason (R) :Murrels are air-breathing catfishes. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below . - Both (A) and (R) are correct and (R) is the correct explanation of (A). - Both (A) and (R) are correct but (R) is NOT the correct explanation of (A). (A) is correct but (R) is not correct. (A) is not correct but (R) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

113	1002743	One million spawn weigh about 0.25 Kg 0.75 Kg 1.5 Kg 3.0 Kg A1 : 1	4.0	1.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

114	I002744	Which of the following is known as a lesser water boatman? 1. <i>Hydrometra</i> 2. <i>Corixa</i> 3. <i>Cybister</i> 4. <i>Velia</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

115	I002745	Dopamine inhibits the release of 1. Estradiol 2. 11-Ketotestosterone 3. Luteinizing hormone 4. Progesterone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

116	I002746	The number of Amino acids present in GnRH is 1. 6 2. 20 3. 11 4. 10 A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

117 1002747

4.0 1.00

The *Channa barca* is endemic to

1. Western Ghat
2. Brahmaputra river basin
3. Loktak lake
4. Nambal river basin

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

118 1002748

4.0 1.00

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

List-I	List-II
Common names	Chemical Formula
(A). Bleaching powder	(I). CaCO_3
(B). Slacked lime	(II). Ca(OH)_2
(C). Quick lime	(III). CaO
(D). Agricultural lime	(IV). CaOCl_2

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 1002749

4.0 1.00

		Currently, highest marine fish produced by which state? 1. Tamil Nadu 2. Gujrat 3. Kerala 4. Andhra Pradesh A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
120	1002750	Presently, which of the following country is on top in Inland water capture production? 1. India 2. China 3. Bangladesh 4. Indonesia A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00