



Ocean University of Sri Lanka

Aptitude Test 2024/2025



B.Tech. in Aquaculture and Seafood Technology

NIC Number

Index No

Time Allowed: Two (02) hours

26.10.2024

Instructions to candidates:

- Answer all the questions on this paper itself.
- Use a pencil/blue ballpoint pen to mark the answers.
- Calculators are not allowed.
- The examination is conducted under the rules and regulations of the University.

SECTION A - GENERAL KNOWLEDGE - 25 QUESTIONS

01. Who is the current minister of Education, Science and Technology in Sri Lanka?
(i) Dr. Susil Premajayantha (ii) Dr. Harini Amarasuriya
(iii) Mr. Vijitha Herath (iv) Dr. Richard Pathirana
02. How many cabinet ministers are in the Sri Lankan parliament today?
(i) 21 (ii) 04 (iii) 03 (iv) 225
03. How many administrative districts in Sri Lanka?
(i) 25 (ii) 24 (iii) 09 (iv) 14
04. The X-Press Pearl disaster is the biggest maritime disaster in Sri Lankan history. In what year did the incident occur?
(i) 2019 (ii) 2020 (iii) 2021 (iv) 2023
05. What is the primary objective of the Food and Agriculture Organization (FAO) of the United Nations?
(i) To promote international trade relations
(ii) To eliminate hunger, malnutrition and poverty
(iii) To enforce environmental regulations
(iv) To oversee global financial systems
06. Where were the 2024 Summer Olympics held?
(i) Tokyo, Japan (ii) Paris, France (iii) Los Angeles, USA (iv) London, UK
07. Who is the captain of the Sri Lanka women's cricket team?
(i) Vishmi Gunarathne (ii) Hasini Perera
(iii) Chamari Athapaththu (iv) Inoka Ranaweera
08. Who won the World Cup final in 2024?
(i) India (ii) Bangladesh (iii) Australia (iv) New Zealand

09. What parent company owns both Instagram and WhatsApp?
(i) Google (ii) Amazon (iii) Facebook (Meta) (iv) Apple
10. Who is the prime minister of Israel?
(i) Benjamin Netanyahu (ii) Isaac Herzog
(iii) Volodymyr Zelenskyy (iv) Mahmoud Abbas
11. What does "IMF" stand for?
(i) International Management Federation (ii) International Market Foundation
(iii) International Monetary Federation (iv) International Monetary Fund
12. Who is the current governor of the Central Bank of Sri Lanka?
(i) Mr. Ajith Nivard Cabraal (ii) Mr. Arjuna Mahendran
(iii) Dr. P. Nandalal Weerasinghe (iv) Prof. W. D Lakshman
13. Which book is not nominated for the "Swarna Pusthaka Award 2024"?
(i) Premasuthra (ii) Mai Mara Prasangaya
(iii) Camellia (iv) Anthassara
14. In which area was the famous author Martin Wickramasinghe born?
(i) Kamburugamuwa (ii) Hikkaduwa (iii) Koggala (iv) Mirissa
15. What does "CPU" stand for in computer terminology?
(i) Central Processing Unit (ii) Computer Personal Unit
(iii) Central Program Unit (iv) Computer Processing Unit
16. What does "AIoT" stand for?
(i) Advanced Internet of Technology (ii) Artificial Intelligence of Things
(iii) Automated Intelligence of Things (iv) Artificial Integration of Technology
17. Which planet is known as the "Red Planet"?
(i) Earth (ii) Mars (iii) Venus (iv) Jupiter
18. Premasiri Khemadasa is best known for his contributions to which field in Sri Lanka?
(i) Traditional dance (ii) Film direction
(iii) Music composition and conducting (iv) Visual arts
19. Which of the following countries is not a member of the European Union?
(i) United Kingdom (ii) Latvia (iii) Germany (iv) Italy
20. What is the largest ocean in the world?
(i) Atlantic Ocean (ii) Indian Ocean (iii) Arctic Ocean (iv) Pacific Ocean
21. What is the happiest country in the world, according to the World Happiness Report?
(i) Netherland (ii) Denmark (iii) Sweden (iv) Finland
22. Who drew the picture "Mona Lisa"?
(i) Picasso (ii) Leonardo da Vinci (iii) John Constable (iv) Rapollo Sante

23. What is the currency used in South Korea?
 (i) Yen (ii) Won (iii) Dollar (iv) Euro
24. Who won the Nobel Prize in literature 2024?
 (i) Annie Ernaux (ii) Jon Fosse (iii) Han Kang (iv) Günter Grass
25. Which famous Sri Lankan dance form is known for its use of masks and is often performed during rituals and ceremonies to invoke blessings?
 (i) Kandyan Dance (ii) Low Country Dance
 (iii) Sabaragamuwa Dance (iv) Devil Dance

SECTION B - SUBJECT KNOWLEDGE - 25 QUESTIONS

01. What is the wrong statement about aquaculture?
 (i). Aquaculture is farming of aquatic animals.
 (ii). Aquaculture implies some sort of intervention in the rearing process to enhance production, such as regular stocking, feeding, protection from predators.
 (iii). Aquaculture also implies individual or corporate ownership of the stock being cultivated.
 (iv). Aquaculture refers only to the natural harvesting of wild aquatic species without any human intervention.
02. Which is not suitable for inland freshwater aquaculture?
 (i) Tilapia (ii) Catla (iii) Rohu (iv) Sea bass
03. EHP disease in shrimp is a _____
 (i) Viral disease (ii) Bacterial disease (iii) Paracitic disease (iv) Fungal disease
04. Which of the following practices is essential for maintaining water quality in aquaculture systems?
 (i) Regular feeding schedules (ii) Stocking high-density populations
 (iii) Water filtration and aeration (iv) Using antibiotics routinely
05. What does RAS stand for in aquaculture?
 (i) Rapid Aquaculture System (ii) Recirculating Aquaculture System
 (iii) Regional Aquaculture Standard (iv) Resource Allocation Strategy
06. Which of the following is NOT a type of aquaculture?
 (i) Fish farming (ii) Shellfish farming (iii) Hydroponics (iv) Seaweed cultivation
07. Which of the following is NOT a Chinese carp species?
 (i) *Ctenopharyngodon idella* (ii) *Hypophthalmichthys molitrix*
 (iii) *Cyprinus carpio* (iv) *Labeo rohita*
08. What is the main role of phytoplankton in aquaculture systems?
 (i) They are a primary food source for many aquatic organisms.
 (ii) They filter pollutants from water.
 (iii) They compete with fish for nutrients.
 (iv) They increase water temperature.

09. Which of the following is a popular floating aquatic plant?
 (i) Cattail (ii) Salvinia (iii) Kekatiya (iv) Kethala
10. What does NARA stand for in aquaculture?
 (i) National Aeronautics and Rocketry Association
 (ii) National Aquatic Resources Research and Development Agency
 (iii) National Aquaculture and Recreation Activities
 (iv) National Aquatic Resource Development Authority
11. Migration from marine water to fresh water for reproduction is known as,
 (i) anadromous (ii) catadromous (iii) amphidromous (iv) potadromous
12. If more than one species of aquatic organism is cultured in the same pond is called
 (i) monoculture (ii) mariculture (iii) polyculture (iv) integrated fish culture
13. What does HACCP stand for?
 (i) Hazard Analysis and Critical Control Point
 (ii) Hazard And Critical Control Point
 (iii) Health Analysis and Critical Control Point
 (iv) Hazard Assesing and Critical Control Point
14. What is the primary purpose of seafood processing?
 (i) To increase shelf life (ii) To enhance flavor
 (iii) To improve nutritional value (iv) To reduce cost
15. Which of the following is a common method of preserving seafood?
 (i) Fermentation (ii) Refrigeration (iii) Both A and B (iv) None of the above
16. Which of the following is a key quality attribute of seafood?
 (i) Color (ii) Texture (iii) Odor (iv) All of the above
17. What does the term "surimi" refer to?
 (i) A type of fish (ii) A fish protein concentrate
 (iii) A method of cooking (iv) A seafood preservation technique
18. What is the scientific name of Yellow Fin Tuna?
 (i) *Thunnus albacares* (ii) *Thunnus obesus*
 (iii) *Euthynnus affinis* (iv) *Katsuwonus pelamis*
19. What type of fish is often used to produce fish oil supplements?
 (i) Cod (ii) Flounder (iii) Snapper (iv) Bass
20. Which organ of the fish allows it to float?
 (i) Kidney (ii) Swim bladder (iii) Spleen (iv) Liver
21. Which country is the major market for the aquarium fish sector in Sri Lanka?
 (i) China (ii) Gernmany (iii) United States (iv) Japan
22. Which of the following can be a sign of poor water quality in an aquarium?
 (i) Increased activity (ii) Fish gasping at the surface
 (iii) Bright colors in fish (iv) Enhanced feeding behaviour

23. Which of the following diseases is common in ornamental fish?
 (i) White Spot Disease (ii) Heartworm
 (iii) Feline leukemia (iv) Canine parvovirus
24. Which freshwater fish species ranks highest in export volume from Sri Lanka?
 (i) Swordtails (ii) Angelfish (iii) Guppy (iv) Platies
25. Which of the following fish is known for its vibrant colors and aggressive behavior, often kept in single-specimen tanks?
 (i) Goldfish (ii) Betta fish (iii) Guppy (iv) Tetra

SECTION C – GENERAL ENGLISH - 25 QUESTIONS

01. Fill in the blanks in the following text using the prepositions given in the box. Use each preposition only once. There is one preposition extra. **(5 marks)**

from	at	on	into	under	towards
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Samson, a big black fat cat, lay across a mat pretending to be asleep with one eye looking right _____ (1) the hole in the wall where five rats lived. The rats wanted to get away _____ (2) the cat but were scared to make a move. When a man who entered the house dropped his hat _____ (3) the floor, the rats knew that they had a chance to get away from the cat. All of them hid _____ (4) the hat and started moving towards the open door. The wind blew the hat _____ (5) the pond where it floated.

02. Choose the correct form of the verb (was/is/are/were) to complete the sentence **(5 marks)**
- They _____ excited to go on vacation last summer.
 - The children _____ playing in the park yesterday.
 - My brother _____ very tall and athletic.
 - The book _____ on the table right now.
 - She _____ a talented artist when she was younger.

03. Fill in the blank in the following dialogue using the words given in the box. Write the letter of the correct word in the space given. *The first one is done for you.* **(5 marks)**

(a) holiday	(b) early	(c) photo	(d) also	(e) beach	(f) lot
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Siva : Is this your album? I'm sure this is you in the first (1) c _____
 Fathim : Yeah. That's in front of my grandparents' house on the (2) _____. We used to spend a few days there during school (3) _____

Siva : Wow! I'm sure you would have enjoyed a (4) _____
 Fathim : Yeah. We always had a great time. Every day we used to get up (5) _____ and walk along the beach collecting seashells.

Siva : Hey! I (6) _____ collected seashells when I was small.
 Fathim : Really! We all have had same hobbies, haven't we?

Siva : Yes, of course. Isn't it great?

04. Read the introduction given by a zoo keeper to a group of children. Select the correct answer for the questions given below. (5 marks)

Welcome to our zoo, kids! I'm so excited to have you here today. Our zoo is home to over 200 species of animals from all around the world, however less than 250 species. You can see everything from majestic lions and playful monkeys to colorful birds and fascinating reptiles. Each animal has its own unique habitat designed to mimic its natural environment. We take great care to ensure the animals are healthy and happy, which includes a special diet tailored to their needs. We also participate in conservation efforts to protect endangered species, such as the Amur leopard and the Asian elephant. Throughout your visit, feel free to ask me any questions about the animals and their care. Let's have an amazing adventure together!





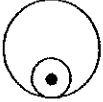
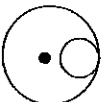
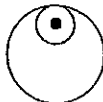
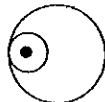




- a. How many species of animals are there in the zoo?
(i) Over 100 (ii) Over 150 (iii) Over 200 (iv) Over 250
- b. What types of animals can you see at the zoo?
(i) Only mammals (ii) Only birds (iii) Only reptiles (iv) All of the above
- c. What is done to ensure the animals are healthy and happy?
(i) They are kept in small cages.
(ii) They receive a special diet tailored to their needs.
(iii) They are given toys to play with.
(iv) They are given own unique habitat.
- d. Which endangered species is mentioned in the introduction?
(i) African elephant (ii) Amur leopard (iii) Lions (iv) Siberian tiger
- e. What does the zookeeper encourage the children to do during their visit?
(i) Not to make noise
(ii) To stay close to their parents
(iii) To ask questions about the animals and their care
(iv) To feed the animals

05. Fill the blanks choosing the most suitable word within the bracket. (5 marks)

Dear friends and colleagues, as I stand here today, I find it hard to believe that the time has come for me to say goodbye. (1) _____ (While/Although) it feels bittersweet to leave this wonderful team, I am excited about the new opportunities that lie ahead. (2) _____ (However/Moreover) the years we have spent together have been filled with laughter and learning, I will always cherish the memories we've created. (3) _____ (Furthermore/As) I embark on this new journey, I want you to know how much I appreciate your support and friendship. (4) _____ (Even though/ Moreover), I hope to stay in touch, and I look forward to hearing about all the amazing things you will accomplish in the future, (5) _____ (even though/as) we are going to be apart.

SECTION D - IQ KNOWLEDGE - 25 QUESTIONS

Each question below contains a group of five items. One item in each group does not belong because it has the least in common with the others. Choose the item that least likely belongs.

01. (i) 5 (ii) 9 (iii) 2 (iv) 3
02. (i)  (ii)  (iii)  (iv) 
03. (i) **H** (ii) **V** (iii) **O** (iv) **L**
04. (i)  (ii)  (iii)  (iv) 
05. (i)  (ii)  (iii)  (iv) 

What is the next number of the sequence in the blank space

06. 2, 4, 3, 5, 4, 6,
- (i) 5 (ii) 3 (iii) 6 (iv) 8
07. 1, 18, 2, 17, 3, 16, 4
- (i) 15 (ii) 5 (iii) 20 (iv) 8
08. A is the mother of B, B is the granddaughter of C, D is the grandfather of B, what is the relationship of C to D?
- (i) Husband (ii) Grandmother (iii) Wife (iv) Grandson
09. A rectangular photograph 20 cm wide and 30 cm long is to be enlarged, so that the width will be 50 cm, the ratio of width to length remains unchanged. What is the length in cm of the enlarged photograph?
- (i) 70 (ii) 65 (iii) 75 (iv) 30
10. What is $\frac{3}{4}$ of 88 plus 40?
- (i) 92 (ii) 36 (iii) 75 (iv) 96
11. What is the odd one out?
- (i) Guitar (ii) Ukulele (iii) Trumpet (iv) Violin
12. If you count from 1 to 100, how many numbers will you see that contain a 5?
- (i) 19 (ii) 20 (iii) 10 (iv) 50

13. Which is heavier?

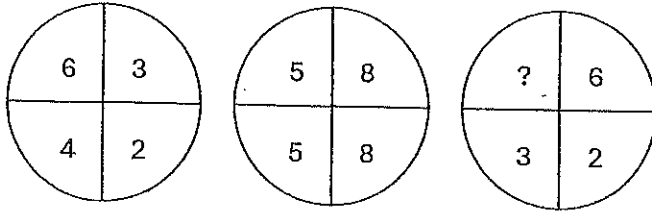
(i) Kilogram of rice

(ii) Thousand grams of dhal

(iii) Kilogram of Cotton

(iv) All equal

14. What number should replace the question mark?



(i) 3

(ii) 5

(iii) 2

(iv) 9

15. What number should replace the question mark?

562 : 32

969 : 63

485 : ?

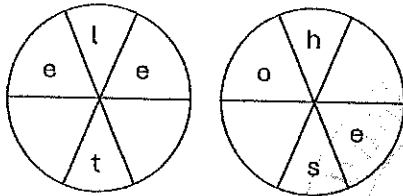
(i) 30

(ii) 48

(iii) 37

(iv) 96

16. Find the letters, clockwise or anticlockwise, to form two words that are synonyms (The letters in answers are not in correct order)



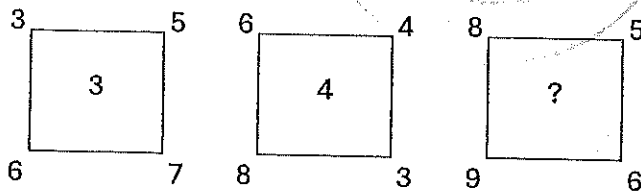
(i) a, b, e, k

(ii) t, s, o, c

(iii) t, b, e, o

(iv) k, s, c, b

17. What is the missing number?



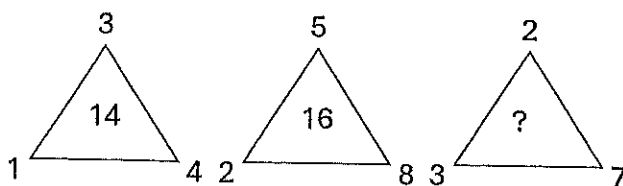
(i) 5

(ii) 4

(iii) 10

(iv) 1

18. What is the missing number?



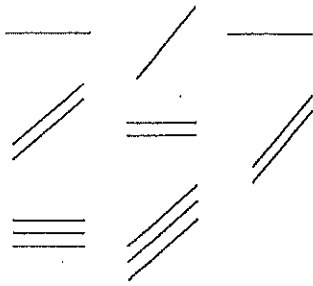
(i) 15

(ii) 5

(iii) 7

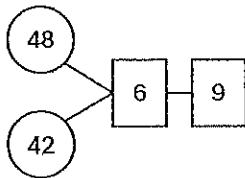
(iv) 12

19. What is the missing pattern?

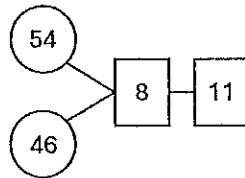


- (i) (ii) (iii) (iv)

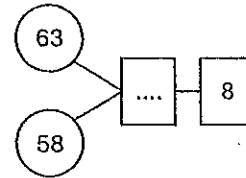
20. What is the missing number?



(i) 1



(ii) 5



(iii) 8

(iv) 6

21. What is the missing number?

8	16	4
14	2	10
0	12	6

(i) 1

4	8	2
7	1	5
0	6	3

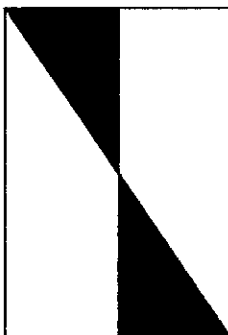
(ii) 9

12	24	6
21	3	15
0	18	...

(iii) 7

(iv) 0

22. What portion of the whole image is represented by the colored part?



(i) $1/2$

(ii) $2/4$

(iii) $3/4$

(iv) $1/4$

23. The scale of a map is 0.5 cm to one kilometer. What actual area is represented by 4 cm² on the map?

(i) 25 km²

(ii) 20 km²

(iii) 8 km²

(iv) 16 km²

24. Jagath and Deeptha earn more money than Indunil. Shashika earns less than Indunil. Sadun earns more than Deeptha but less than Jagath. Who earns the least money?

(i) Shashika

(ii) Sadun

(iii) Jagath

(iv) Deeptha

25. Chamara had a cold and was sitting in a row with other patients. On his right side 10 patients were sitting and on his left 4 persons were sitting. How many patients were sitting there?

(i) 14

(ii) 15

(iii) 12

(iv) 11

****THE END****