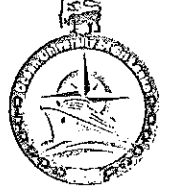


Ocean University of Sri Lanka

Aptitude Test 2025/2026



BTech in Aquaculture and Seafood Technology

NIC Number

Index No

Time Allowed: Two (02) hours

23.08.2025

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, Higher Education, and Vocational Education of Sri Lanka?
(i) Dr.Susil Premajayantha (ii) Dr.Harini Amarasuriya
(iii) Mr.Vijitha Herath (iv) Mr.Kanaka Herath
02. Sri Lanka celebrates its Independence Day annually on 4th February. In which year will Sri Lanka celebrate its 80th Independence Day?
(i) 2026 (ii) 2027 (iii) 2028 (iv) 2029
03. Who was the 1st President of Sri Lanka?
(i) William Gopallawa (ii) J. R. Jayewardene
(iii) S. W. R. D. Bandaranaike (iv) D. B. Wijetunga
04. How many administrative districts are there in Sri Lanka?
(i) 24 (ii) 25 (iii) 26 (iv) 27
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 will the next Summer Olympic Games be held in 2028?
(i) Paris, France (ii) Tokyo, Japan (iii) Los Angeles, USA (iv) Brisbane, Australia
07. Where will the next ICC Men's Cricket World Cup (the 2027 ODI World Cup) be held?
(i) India (ii) Australia & New Zealand
(iii) South Africa, Zimbabwe & Namibia (iv) England & Ireland
08. Who won the 2024 FIFA Futsal World Cup, held in Uzbekistan?
(i) Argentina (ii) Portugal (iii) Brazil (iv) Ukraine

09. What parent company owns both Instagram and WhatsApp?
(i) Google (ii) Amazon (iii) Facebook (Meta) (iv) Apple
10. Who is the Supreme Leader of Iran as of 2025?
(i) Hassan Rouhani (ii) Mahmoud Ahmadinejad
(iii) Ayatollah Ali Khamenei (iv) Ebrahim Raisi
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 novel won the Swarna Pusthaka Award in 2024, one of Sri Lanka's most prestigious literary honors?
(i) *Mai Mara Prasangaya* by Mahinda Prasad Masimbula
(ii) *Silver Tips* by Malith Thusitha Gunaratne
(iii) *Kalalikirayo* by Liyanage Amarakirthi
(iv) *Camellia* by Virajini Tennakoon
14. Boeing 787 flight crashed on June 12, 2025, shortly after takeoff from Ahmedabad Airport, with only one survivor. To which airline did the flight belong?
(i) Air India (ii) Emirates (iii) Qatar Airways (iv) British Airways
15. Which of the following is NOT an example of an operating system?
(i) Windows 11 (ii) macOS Ventura
(iii) Microsoft Office (iv) Ubuntu Linux
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 in our solar system has the longest day (the longest rotation period)?
(i) Venus (ii) Jupiter (iii) Mars (iv) Mercury
18. Who is considered the "Father of Sri Lankan Pop Music"?
(i) Pandit W. D. Amaradeva (ii) Clarence Wijewardena
(iii) Sunil Perera (iv) Nanda Malini
19. Who is popularly known as the "Queen of Sinhala Cinema"?
(i) Anoja Weerasinghe (ii) Malini Fonseka (iii) Geetha Kumarasinghe (iv) Sabeetha Perera
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 global ranking of the Sri Lankan passport according to the 2025 Henley Passport Index?
 (i) 85th (ii) 91st (iii) 94th (iv) 100th
22. Who was the architect behind the design of the Parliament of Sri Lanka and also contributed to the design of the University of Ruhuna?
 (i) Geoffrey Bawa (ii) Minnette de Silva (iii) Valentine Gunasekara (iv) Anjalendran
23. What is the currency used in China?
 (i) Yen (ii) Won (iii) Yuan (iv) Baht
24. In July 2025, Sri Lanka's Supreme Court ordered the owners of which container ship to pay \$1 billion in compensation for causing the country's most severe marine disaster?
 (i) MV Ever Given (ii) MV X-Press Pearl (iii) MV Maersk Honam (iv) MV Wakashio
25. Which Sri Lankan dance form is traditionally performed with elaborate masks and is used in healing rituals?
 (i) Kandyan Dance (ii) Low Country Dance
 (iii) Sabaragamuwa Dance (iv) Devil Dance

SECTION B - SUBJECT KNOWLEDGE - 25 QUESTIONS

01. According to the Food and Agriculture Organization (FAO), what is the definition of Aquaculture?
 (i) The harvesting of wild fish from oceans and rivers
 (ii) The farming of aquatic organisms, including fish, molluscs, crustaceans, and aquatic plants, under controlled conditions
 (iii) The study of marine ecosystems and their biodiversity
 (iv) The commercial trading of seafood products
02. What does GIFT stand for in Tilapia aquaculture?
 (i) Genetically Inbred Freshwater Tilapia
 (ii) Genetically Improved Farmed Tilapia
 (iii) Government Improved Fish Trial
 (iv) General Inland Fisheries Team
03. EHP disease in shrimp is a _____
 (i) Viral disease (ii) Bacterial disease (iii) Parasitic disease (iv) Fungal disease
04. What is the main government institute responsible for aquaculture development in Sri Lanka?
 (i) Ministry of Environment
 (ii) Department of Animal Production and Health
 (iii) National Aquaculture Development Authority (NAQDA)
 (iv) Marine Environment Protection Authority (MEPA)
05. In which type of water body is freshwater cage culture mostly practised in Sri Lanka?
 (i) Ocean bays (ii) Ponds
 (iii) Seasonal streams (iv) Reservoirs (Tanks)

06. Which of the following species is commonly used in the ornamental aquaculture industry in Sri Lanka?
 (i) Milkfish (ii) Guppy (iii) Rohu (iv) Nile Tilapia
07. Which of the following is NOT a Chinese carp species?
 (i) *Ctenopharyngodon idella* (ii) *Hypophthalmichthys molitrix*
 (iii) *Cyprinus carpio* (iv) *Labeo rohita*
08. Which region in Sri Lanka is most prominent for brackish water shrimp farming?
 (i) Nuwara Eliya
 (ii) Trincomalee
 (iii) Hambantota
 (iv) Puttalam
09. Which shrimp species cultured in Sri Lanka shows a better resistance to White Spot Syndrome Virus (WSSV)?
 (i) *Penaeus monodon* (ii) *Penaeus indicus*
 (iii) *Penaeus vannamei* (*Litopenaeus vannamei*) (iv) *Macrobrachium rosenbergii*
10. What does the institute of NARA stand for in Sri Lanka?
 (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 fresh water to marine water for reproduction is known as
 (i) anadromous (ii) catadromous (iii) amphidromous (iv) potadromous
12. Hormone-induced breeding in fish is known as,
 (i) Insemination (ii) Fertilization (iii) Hypophysation (iv) Hybridization
13. What is the scientific name of Yellow Fin Tuna?
 (i) *Thunnus albacares* (ii) *Thunnus obesus*
 (iii) *Euthynnus affinis* (iv) *Katsuwonus pelamis*
14. What does GMP stand for food processing industry?
 (i) General Manufacturing Procedures
 (ii) Good Management Practices
 (iii) Good Manufacturing Practices
 (iv) General Management Protocol
15. Which organization in Sri Lanka regulates and promotes the seafood export industry?
 (i) Ministry of Agriculture
 (ii) Sri Lanka Export Development Board (EDB)
 (iii) National Aquaculture Development Authority (NAQDA)
 (iv) Marine Environment Protection Authority (MEPA)
16. What is/are the common preservation methods used in the seafood industry to extend the shelf life of fish?
 (i) Freezing (ii) Drying (iii) Salting (iv) All of the above
17. Which of the following is a key quality attribute of seafood?
 (i) Color (ii) Texture (iii) Odor (iv) All of the above

18. What does the term "saku" refer to in the seafood industry?
- A type of fishing net
 - A cut or block of fish, especially tuna, prepared for sashimi or sushi
 - A method of drying fish by adding salt under the sunlight
 - A traditional fish preservation technique
19. What is the main purpose of using ice in seafood handling?
- To clean the fish
 - To improve the taste
 - To slow down microbial growth
 - To reduce the fish weight
20. Which of the following fishing methods is considered more sustainable for small-scale fisheries?
- Bottom trawling
 - Gill netting
 - Dynamite fishing
 - Drift netting
21. What is the primary function of the gills in fish?
- To help in digestion
 - To pump blood throughout the body
 - To respire
 - To provide buoyancy
22. What is the ideal pH range for most freshwater fish in aquaculture?
- 3.0 – 5.0 pH
 - 6.5 – 8.0 pH
 - 8.5 – 10.0 pH
 - 4.5 – 6.0 pH
23. High levels of ammonia in fish tanks usually indicate?
- Good water quality
 - Excessive fish feeding or poor filtration
 - Low fish density
 - Adequate aeration
24. What is the process called when ammonia is converted to nitrite and then nitrate by bacteria in the water?
- Denitrification
 - Nitrification
 - Sedimentation
 - Photosynthesis
25. Which freshwater fish species ranks highest in export volume from Sri Lanka?
- Swordtails
 - Angelfish
 - Guppy
 - Platies
26. Which ornamental fish species recently released into Daduru Oya has become a threat to local biodiversity in Sri Lanka?
- Guppy (*Poecilia reticulata*)
 - Giant Snakehead (*Channa micropeltes*)
 - Asian Arowana (*Scleropages formosus*)
 - Common Carp (*Cyprinus carpio*)

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 extra preposition. (5 marks)

in	on	under	to	from	at
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Amal woke up early in the morning and looked _____ (1) the clock. It was 6 a.m. He jumped out of bed and found his shoes _____ (2) the chair. After brushing his teeth, he went _____ (3) the kitchen to eat breakfast. His mother was already there, making tea. Amal took a slice of bread and sat _____ (4) the table. Then he packed his school bag, which was kept _____ (5) the cupboard.

02. Choose the correct form of the verb (was/is/are/were) to complete the sentence (5 marks)

- The students _____ happy to finish their exam yesterday.
- My mother _____ in the kitchen cooking dinner now.
- The dogs _____ barking loudly a few minutes ago.
- This phone _____ very expensive.
- We _____ at the beach last weekend.

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) early	(b) picnic	(c) picture	(d) holiday	(e) garden	(f) also
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Ravi : Is this your family photo? I think this is your father in the first (1) c
 Ayesh : Yes, that was taken in our home (2) _____. We had a small party there during the New Year (3) _____.

Ravi : It looks so nice! You must have had a great time.
 Ayesh : Yes, we all sat outside and had a (4) _____. It was a sunny day.

Ravi : That sounds fun! We (5) _____ had a small celebration at home.
 Ayesh : We started everything (6) _____ in the morning to prepare the food and decorations.

04. Read the message given by a museum guide to a group of students. Then choose the correct answer for each question. (5 marks)

Welcome to the National History Museum, students! I'm happy to take you on a journey through time. This museum has more than 50 different exhibits, including ancient fossils, dinosaur skeletons, and models of early human life. One of our most popular displays is the full skeleton of a Tyrannosaurus rex. We also have an interactive section where you can touch real fossils and learn how archaeologists work. Please remember not to touch any other exhibits unless told otherwise. At the end of your tour, you can visit our gift shop or join a short workshop about prehistoric tools. Feel free to ask questions during the tour.

- How many exhibits are there in the museum?
 - About 20
 - Over 30
 - More than 50
 - Less than 50
- What is one of the most popular displays in the museum?
 - Ancient coins
 - A model ship
 - T. rex skeleton
 - Cave paintings
- What can students do in the interactive section?
 - Watch a video
 - Touch real fossils
 - Paint pictures
 - Build dinosaur models

- d. What are students asked **not** to do?
- (i) Ask questions
 - (ii) Take photos
 - (iii) Touch exhibits without permission
 - (iv) Join workshops
- e. What can students do at the end of the tour?
- (i) Go home immediately
 - (ii) Visit the library
 - (iii) Watch a movie
 - (iv) Join a workshop or visit the gift shop

05. Fill the blanks choosing the most suitable word within the bracket.



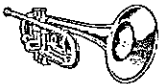

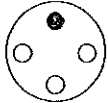
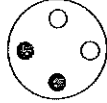
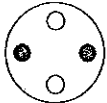
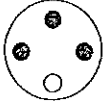




(5 marks)

Dear students,

I am truly proud of each one of you as we come to the end of this academic year. (1) _____ (Although / Because) it has been a challenging journey at times, you have shown great strength and determination. (2) _____ (Therefore / However), I believe you are ready to take the next step with confidence. (3) _____ (Since / Moreover) your hard work and dedication, you have achieved remarkable progress. (4) _____ (While / Because), I will no longer be your class teacher next year, I will always remember the special moments we shared. (5) _____ (Finally / Even though), I wish you all the best for your future.

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 is least likely belongs.

01. (i)  (ii)  (iii)  (iv) 
02. (i) Cotton (ii) Wool (iii) Nylon (iv) Silk
03. (i) **A** (ii) **V** (iii) **W** (iv) **O**
04. (i)  (ii)  (iii)  (iv) 
05. (i)  (ii)  (iii)  (iv) 

06. What is the next number of the sequence in the blank space?

25, 24, 22, 19, 15,

- (i) 5 (ii) 11 (iii) 14 (iv) 10

07. 2, 6, 10, 14,

- (i) 15 (ii) 18 (iii) 20 (iv) 8

08. A is the brother of B, B is the wife of C, D is the son of B. What is the relationship of C to D?

- (i) Husband (ii) Grandmother (iii) Father (iv) Grandson

09. If two people eat 2 slices of pizza in 2 minutes, how many people will it take to eat 18 pieces of pizza in 6 minutes?

- (i) 2 (ii) 6 (iii) 18 (iv) 10

10. Saman needs 13 bottles of water from the store. He can only bring 3 bottles on each arrival. At least how many times will Saman have to go to the store to buy 13 bottles of water?

- (i) 6 (ii) 4 (iii) 5 (iv) 7

11. How many minutes are in four and a half hours?

- (i) 270 (ii) 170 (iii) 350 (iv) 200

12. If you count from 1 to 100, how many numbers will you see that contain a 5?

- (i) 5 (ii) 10 (iii) 11 (iv) 09

13. Which one is heavier?

- (i) Kilogram of rice (ii) Thousand grams of dhal
(iii) Kilogram of Cotton (iv) All equal

14. For every Christmas since Kiven's birth, his parents deposit as many coins into as he is old. Now there are 21 coins in the bank. How old is Vanya?

- (i) 21 (ii) 5 (iii) 6 (iv) 9

15. What number should replace the question mark?

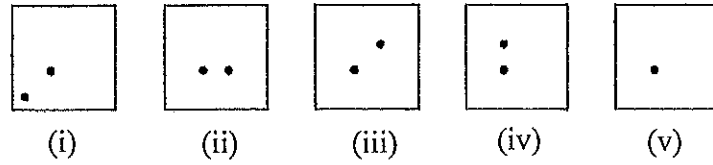
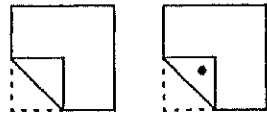
834 : 35

761 : 43

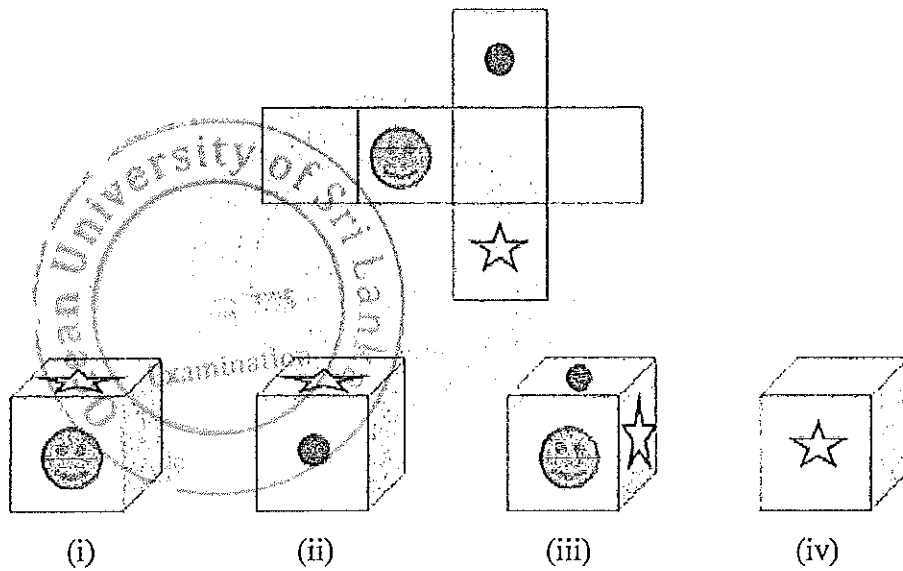
529 : ?

- (i) 30 (ii) 48 (iii) 37 (iv) 19

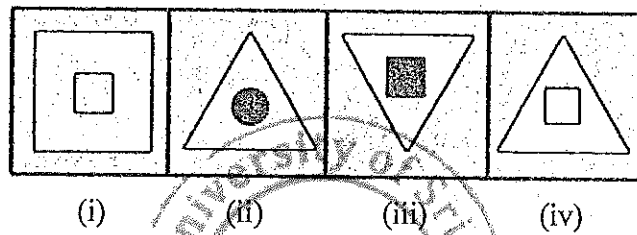
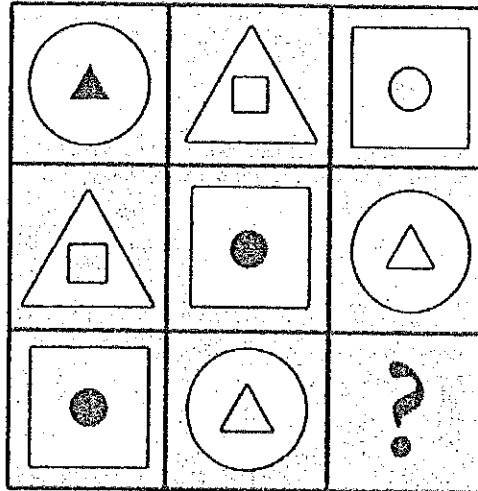
16. Select where the holes will be when the paper is unfolded.



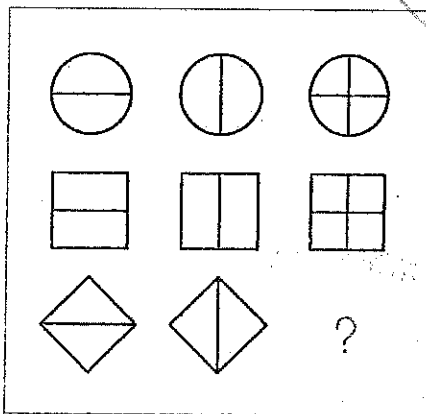
17. Which of the four below cubes will be the result of folding this 'paper' together?



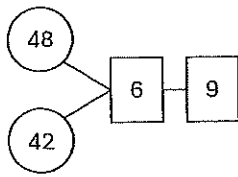
18. What should go in the square with the question mark?



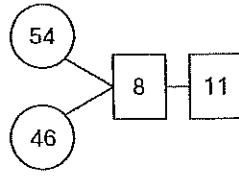
19. What is the missing pattern?



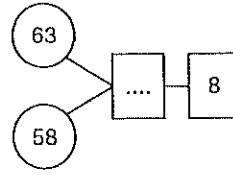
20. What is the missing number?



(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

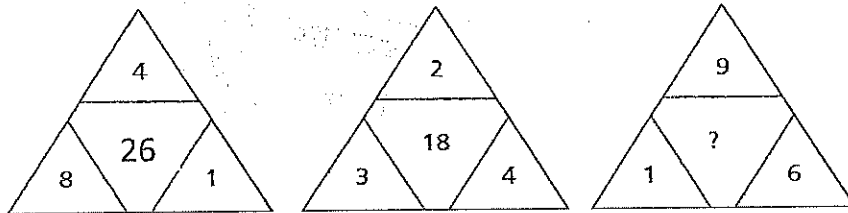
(ii) 9

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) 32

(ii) 12

(iii) 29

(iv) 60

23. The scale of a map is 0.25 cm to one kilometer. What actual area is represented by 6 cm² on the map?

(i) 100 km²

(ii) 144 km²

(iii) 6 km²

(iv) 36 km²

24. Nimal and Ruwan scored higher marks than Sunil. Kamal scored fewer marks than Sunil. Anil scored more than Ruwan but less than Nimal. Who scored the lowest marks?

(i) Kamal

(ii) Anil

(iii) Ruwan

(iv) Sunil

25. A farmer has cows and chickens on his farm. There are 24 heads and 68 legs in total. How many chickens are there?

(i) 10

(ii) 14

(iii) 17

(iv) 20

****THE END****

