



# Ocean University of Sri Lanka

Aptitude Test 2025



B. Sc. in Fisheries and Marine Sciences

NIC Number

Index No.

Time Allowed: Two (02) hours.

Date: .....

**Instructions:**

- Answer all the questions on this paper itself.
- Use a dark pencil/ black or blue ballpoint pen to provide the answers.
- Calculators are not allowed.

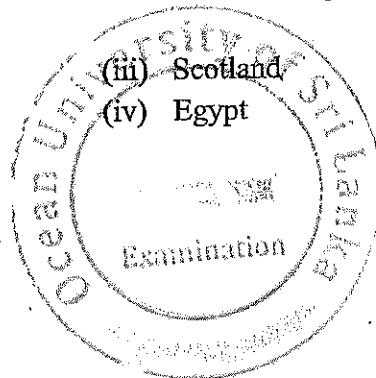
**SECTION A - GENERAL KNOWLEDGE – 25 QUESTIONS**

Underline the correct answer

- 1) Who represents Sri Lanka at the 72<sup>nd</sup> Miss World Pageant held in India in May 2025?  
(i) Adithya Weliwatta (ii) Anudi Gunasekara  
(ii) Kavindi Nethmini (iv) Caroline Jurie
- 2) The Sri Lanka Broadcasting Corporation has recently named a studio in honor of a legendary singer to recognize the contribution made to music and culture in Sri Lanka. Who is that singer?  
(i) Pandith W.D. Amaradewa (iii) Nanda Malani  
(ii) Sanath Nandasiri (iv) Sujatha Attanayake
- 3) Who is the Sri Lankan celebrity chef known for his Wild Cookbook YouTube channel?  
(i) Dimuthu Kumarasinghe (iii) Peter Kuruwita  
(ii) Charith N Silva (iv) Siyathma Perera
- 4) Who is the actress popularly known as the "Queen of Sri Lankan Cinema"?  
(i) Geetha Kumarasinghe (ii) Malani Fonseka  
(ii) Anoja Weerasinghe (iv) Sabeetha Perera
- 5) What is the name of the first novel in Sri Lankan literature?  
(i) Lakshmi (iii) Meena  
(ii) Singna Kolla (iv) Gamperalia



- 18) What is the largest planet in our solar system?  
(i) Neptune (iii) Uranus  
(ii) Jupiter (iv) Saturn
- 19) When is the World Oceans Day celebration?  
(i) 05 June (ii) 08 June (iii) 21 March (iv) 27 Ma
- 20) What is the capital city of Ukraine?  
(i) Lviv (ii) Vinnista (iii) Kharkiv (iv) Kyiv
- 21) How many elements are in the periodic table?  
(i) 72 (ii) 98 (iii) 102 (iv) 118
- 22) Who is the author of the "Harry Potter" book series?  
(i) Jane Austen (iii) Hilary Mantel  
(ii) J.K. Rowling (iv) Zadie Smith
- 23) What is the chemical symbol for gold?  
(i) Au (ii) Ag (iii) Cu (iv) Hg
- 24) The Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) is an international organization of seven South Asian and Southeast Asian nations. Which one of the following countries is not a member of BIMSTEC?  
(i) Pakistan (ii) India (iii) Bangladesh (iv) Nepal
- 25) Which country will be hosting the 2025 United Nations Climate Change Conference, more commonly referred to as COP30?  
(i) United Arab Emirates (iii) Scotland  
(ii) Brazil (iv) Egypt



SECTION B - SUBJECT KNOWLEDGE – 25 QUESTIONS

Underline the correct answer.

- 1) Which one is an environmentally friendly fishing technique in Sri Lanka?  
(i) Bottom Trawling (ii) Blast fishing  
(iii) Ghost fishing (iv) Stilt fishing
- 2) Which of the following is not a common characteristic of a small-scale fishery?  
(i) Operating on a local level with family or community ownership  
(ii) Often targets for commercial markets  
(iii) Labor-intensive fishery  
(iv) Use low-cost fishing gear and capture methods
- 3) What is not a traditional fish preservation method?  
(i) Drying (ii) Smoking (iii) Salting (iv) Canning
- 4) *Clostridium botulinum* is the principal organism causing food poisoning in ..... fish and fishery products  
(i) dried (ii) smoked (iii) canned (iv) frozen
- 5) How many types of turtles come to Sri Lanka for nesting?  
(i) 4 (ii) 5 (iii) 6 (iv) 7
- 6) What characteristics can we use to identify the spoiled fish by observation?  
(i) Sliminess in the fish skin and scales (ii) Fishy smell  
(iii) Firmness of the flesh (iv) Bright red gills
- 7) Which of the following is an edible marine crustaceans type?  
(i) Octopus (ii) Squid (iii) Blue mussel (iv) Lobsters
- 8) What is the largest animal in the ocean?  
(i) Silky shark (ii) Blue whale (iii) Sperm whale (iv) Whale shark
- 9) What is the size of the Economic Exclusive Zone (EEZ) in nautical miles?  
(i) 100 (ii) 150 (iii) 200 (iv) 250
- 10) What are the provinces in Sri Lanka which does not have a coastal zone?  
(i) Central and Eastern Provinces (ii) North and Southern Provinces  
(iii) Sabaragamuwa and Uva Provinces (iv) Uva and Central Provinces

- 11) What is the most ecofriendly mariculture product?  
 (i) Seaweeds (ii) Asian Seabass  
 (iii) Shrimps (iv) Lobsters
- 12) How many “Sustainable Development Goals” have been declared by the United Nations?  
 (i) 11 (ii) 14 (iii) 17 (iv) 21
- 13) Which of the following movies has been produced on a story of an oil spill that occurred in the ocean?  
 (i) Deepwater Horizon (ii) Titanic (iii) Avatar (iv) Moby Dick
- 14) Which country features a shipwreck on its national flag?  
 (i) Chile (ii) Portugal (iii) Bermuda (iv) Costa Rica
- 15) Which is not a filter feeder?  
 (i) Sea cucumber (ii) Seaweeds (iii) Oysters (iv) Squids
- 16) What was the major reason for the European Union to ban Sri Lankan seafood in 2015?  
 (i) Failure to address Illegal, Unreported, and Unregulated fishing  
 (ii) Use of child labor in the seafood value addition process  
 (iii) Failure to meet the seafood quality requirement  
 (iv) None of the above reasons
- 17) What is the best seafood certification for wild-caught fish?  
 (i) Marine Stewardship Council (ii) Best Aquaculture Practices  
 (iii) Aquaculture Stewardship Council (iv) MarineTrust
- 18) Which of the following is not a Marine Protected Area in Sri Lanka?  
 (i) Pigeon Island National Park (ii) Bar Reef Sanctuary  
 (iii) Hikkaduwa National Park (iv) Kalametiya Sanctuary
- 19)..... are vital for regulating Earth’s climate by transporting heat, supporting fisheries through upwelling, and sustaining marine ecosystems.  
 (i) Ocean waves (ii) Ocean currents  
 (iii) Wind patterns (iv) Hypothermal vents
- 20) Which is not a method of spreading of Invasive Alien Species?  
 (i) Ballast water exchange (ii) Biofouling  
 (iii) Eutrophication (iv) Marine litter

21) What is the best extension method to make the fishermen aware of sudden environmental hazards such as storms?

(i) Printed media

(iii) Audio-visual mass media

(ii) Group methods

(iv) Individual methods

22) What is the most economical mode of transportation?

(i) Air freight

(iii) Railways

(ii) Highways

(iv) Sea-borne transportation

23) What is the theme for United Nations World Ocean Day 2025?

(i) "Awaken New Depths"

(ii) "Planet Ocean: Tides are Changing"

(iii) "Wonder: Sustaining What Sustains Us"

(iv) "Revitalization: Collective Action for the Ocean"

24) What does "IMO" stand for?

(i) International Marketing Organization

(ii) International Maritime Organization

(iii) International Management Organization

(iv) International Monetary Organization

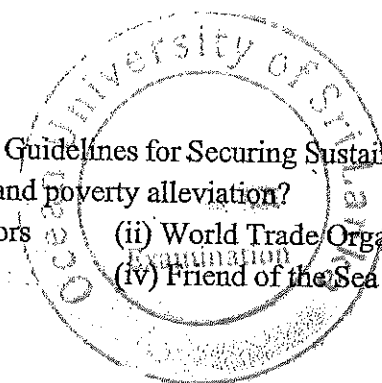
25) Which organization has declared the Voluntary Guidelines for Securing Sustainable Small-Scale Fisheries in the context of food security and poverty alleviation?

(i) International Association of Ports and Harbors

(iii) Food and Agriculture Organization

(ii) World Trade Organization

(iv) Friend of the Sea



SECTION C- GENERAL ENGLISH- 25 QUESTIONS

Underline the correct answer

(1) I.....my room last week.

- (i) cleaned (iii) clean  
(ii) cleans (iv) was cleaned

(2) Please don't.....late next time.

- (i) been (iii) being  
(ii) be (iv) was

(3) He could have ..... the race, if he had trained well.

- (i) won (iii) wins  
(ii) win (iv) wen

(4) Students should..... all the examinations of the university.

- (i) pass (iii) be passed  
(ii) passed (iv) passes

(5) The marks of the students.....issued yesterday morning.

- (i) been (iii) is  
(ii) being (iv) was

(6) If the ocean was not on the earth, the world..... very different.

- (i) would not have been (iii) would have been  
(ii) was (iv) have been

(7) The list of items.....on the table

- (i) is (iii) are  
(ii) there are (iv) have

(8) You.....wear safety glass in the laboratory.

- (i) should (iii) might  
(ii) may (iv) could

(9) The train was not.....I thought.

- (i) fast as (iii) as fast as  
(ii) fast (iv) as fast

(10) .....it be possible to lend your laptop tomorrow please?

- (i) when (iii) could  
(ii) should (iv) would

(11) The practical session.....completed by the students.

- |            |               |
|------------|---------------|
| (i) should | (iii) could   |
| (ii) would | (iv) has been |

(12) He .....swim when he was five years old.

- |            |                 |
|------------|-----------------|
| (i) should | (iii) should be |
| (ii) could | (iv) would      |

(13) If it rains, we.....stay inside the house.

- |           |           |
|-----------|-----------|
| (i) be    | (iii) had |
| (ii) will | (iv) are  |

(14) The student sings.....

- |                   |                   |
|-------------------|-------------------|
| (i) beautifully   | (iii) beautiful   |
| (ii) be beautiful | (iv) is beautiful |

(15) Each of the .....has a note book.

- |                  |                   |
|------------------|-------------------|
| (i) student      | (iii) two student |
| (ii) one student | (iv) students     |

(16) Lagoons.....the livelihoods of local people.

- |                     |                     |
|---------------------|---------------------|
| (i) have supports   | (iii) has supported |
| (ii) have supported | (iv) has support    |

(17) I have lived here.....2010

- |          |            |
|----------|------------|
| (i) then | (iii) at   |
| (ii) on  | (iv) since |

(18) What does it..... like?

- |           |              |
|-----------|--------------|
| (i) looks | (iii) looked |
| (ii) look | (iv) is look |

(19) Today, the oceanic pollution.....a significant threat to the world ecology.

- |              |                |
|--------------|----------------|
| (i) has been | (iii) had been |
| (ii) are     | (iv) were      |

20) The best student among all of the batch.....rewarded at the convocation.

- |            |          |
|------------|----------|
| (i) is     | (iii) be |
| (ii) would | (iv) are |

(21) .....you kindly support me doing this task?

- |                |              |
|----------------|--------------|
| (i) could      | (iii) should |
| (ii) shouldn't | (iv) does    |

(22) Understanding the dynamics of the ocean will.....new economic opportunities.

- |                  |                |
|------------------|----------------|
| (i) provide      | (iii) provides |
| (ii) be provided | (iv) provided  |

(23) .....doing academic activities, students should do some sports at their free hours.

- |           |                  |
|-----------|------------------|
| (i) while | (iii) as well as |
| (ii) that | (iv) when        |

(24) The student measured three water samples form ..... of the four lagoons.

- |          |          |
|----------|----------|
| (i) each | (iii) at |
| (ii) on  | (iv) the |

(25) I think that you are capable.....doing this task.

- |          |          |
|----------|----------|
| (i) of   | (iii) in |
| (ii) for | (iv) at  |

SECTION D – IQ TEST – 25 QUESTIONS

Underline the correct answer

- 1) Which number logically follows following series?  
16, 64, ...?..., 1024, 4096
- (i) 98 (ii) 156  
(iii) 256 (iv) 298
- 2) Which number logically follows following series?  
121, 144, 169, 196, ...?...
- (i) 225 (ii) 230  
(iii) 275 (iv) 221
- 3) Find the miss-matching number (odd man out) from the following series.  
8, 27, 64, 100, 125, 216, 343
- (i) 27 (ii) 100  
(iii) 125 (iv) 343
- 4) It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?
- (i) Sunday (ii) Saturday  
(iii) Friday (iv) Wednesday
- 5) A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
- (i) 120 m (ii) 180 m  
(iii) 324 m (iv) 150 m
- 6) In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?
- (i) 6.25 (ii) 6.5  
(iii) 6.75 (iv) 7
- 7) Kumuduni is 16 years old. She is 4 times older than her brother. How old will Kumuduni be when she is twice his brothers' age?.
- (i) That is impossible (ii) 24  
(iii) 20 (iv) 28

8) Which fraction is the biggest?

- (i)  $\frac{3}{5}$  (ii)  $\frac{5}{8}$   
(iii)  $\frac{1}{2}$  (iv)  $\frac{4}{7}$

9) What is the speed of 10 km per 30 seconds, in km per hour?

- (i) 1200 km/h (ii) 600 km/h  
(iii) 120 km/h (iv) 300 km/h

10) There is a lake on the surface of which water lilies float. The number of lilies doubles daily. If it takes 48 days to completely occupy the entire area of the lake, how many days will it take to occupy the floor of the lake?

- (i) 47 (ii) 46  
(iii) 96 (iv) 108

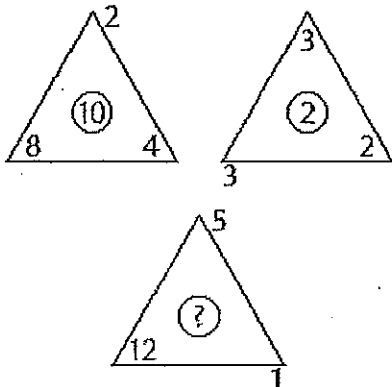
11) You have accidentally left the plug out of the bath and are attempting to fill the bath with both taps full on. The hot tap takes three minutes to fill the bath and the cold tap two minutes, and the water empties through the plughole in six minutes. In how many minutes will the bath be filled?

- (i) 1 (ii) 3  
(iii) 1.5 (iv) 5

12) How many times do the hands of a clock coincide in a day?

- (i) 20 (ii) 21  
(iii) 22 (iv) 24

13) Find the missing number.



- (i) 6 (ii) 8  
(iii) 10 (iv) 11

14) To get purple paint, you need to mix pink (12 parts) and blue (4 parts). How many kilograms of purple paint can you get if you have 3 kilograms of pink and 3 kilograms of blue paint?

- |       |   |      |   |
|-------|---|------|---|
| (i)   | 3 | (ii) | 4 |
| (iii) | 5 | (iv) | 6 |

15) A fisherman caught 4 fish (F1, F2, F3, and F4), each of which has a different weight?

F1 weighs twice as much as F2;

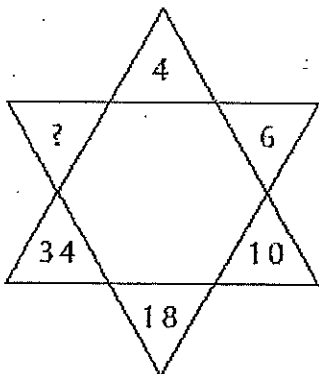
F3 weighs half as much as F4;

F4 weighs less than F1 but more than F2.

Determine the lightest fish.

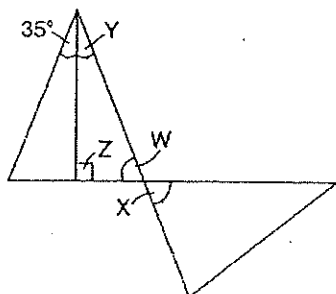
- |       |    |      |    |
|-------|----|------|----|
| (i)   | F1 | (ii) | F2 |
| (iii) | F3 | (iv) | F4 |

16) Find the missing number.



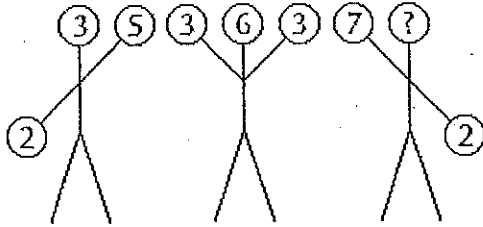
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|-------|----|------|----|
| (i)   | 40 | (ii) | 52 |
| (iii) | 53 | (iv) | 66 |

17) What is the value of angle X?



- |       |    |      |    |
|-------|----|------|----|
| (i)   | 55 | (ii) | 65 |
| (iii) | 70 | (iv) | 90 |

18) Find the missing number.



(i) 1

(ii) 3

(iii) 5

(iv) 7

19) Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?

(i)  $\frac{1}{2}$   
(iii)  $\frac{8}{15}$

(ii)  $\frac{2}{5}$

(iv)  $\frac{9}{20}$

20) There are two examinations rooms A and B. If 10 students are sent from A to B, then the number of students in each room is the same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is:

(i) 20  
(iii) 100

(ii) 80  
(iv) 200

21) Three pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?

(i) 9  
(iii) 11

(ii) 10  
(iv) 12

22) "A" and "B" together have Rs. 1210. If  $\frac{4}{15}$  of A's amount is equal to  $\frac{2}{5}$  of B's amount, how much amount does B have?

(i) Rs. 460  
(iii) Rs. 550

(ii) Rs. 484  
(iv) Rs. 664

23) A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken (hours) by the boat to go 68 km downstream.

(i) 2  
(iii) 4

(ii) 3  
(iv) 5

24) The percentage increase in the area of a rectangle, if each of its sides is increased by 20% is:

- (i) 40 %
- (iii) 44 %

- (ii) 42 %
- (iv) 46 %

25) Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are  $30^\circ$  and  $45^\circ$  respectively. If the lighthouse is 100 m high, the distance between the two ships is:

- (i) 173 m
- (iii) 273 m

- (ii) 200 m
- (iv) 300 m

.....End of the Paper.....