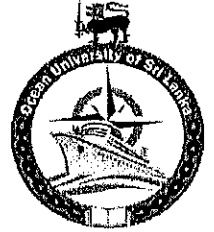




Ocean University of Sri Lanka

Aptitude Test 2023/2024



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 ball point pen to provide the answers.
- Calculators are not allowed.

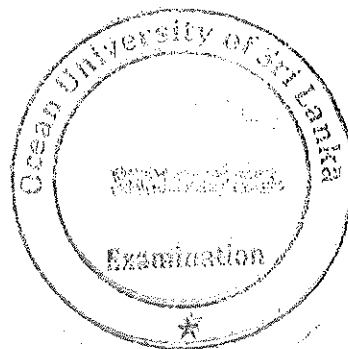
SECTION A - GENERAL KNOWLEDGE – 25 QUESTIONS

Underline the correct answer

- 1) At which Asian Games Tharusi Karunaratne won the Gold Medal in the women's 800m event?
(i) 18th (ii) 19th (iii) 20th (iv) 21st
- 2) Which is the film directed by renowned Sri Lankan movie actor Jackson Anthony?
(i) *Garilla Marketing* (ii) *Milla Soya* (iii) *Address Na* (iv) *Vishama Bhaga*
- 3) When did MV X-Press Pearl Ship caught fire off the coast of Colombo, Sri Lanka?
(i) 21 March 2021 (ii) 17 June 2021 (iii) 24 August 2021 (iv) 20 May 2021
- 4) What is the toll free telephone number to call a free emergency ambulance service (*Suwaseriya*) available in Sri Lanka?
(i) 1900 (ii) 1960 (iii) 1980 (iv) 1990
- 5) Which of the following movie has been produced on a story of oil spill occurred in the ocean?
(i) *Deep water Horizon* (ii) *Titanic* (iii) *Avatar* (iv) *Moby Dick*
- 6) Which sport movie is produced based on the life and career of Sri Lankan cricketer Muttiah Muralitharan?
(i) 650 (ii) 800 (iii) 700 (iv) 850

- 7) Which movie won the first ever Oscar for Best Animated Film?
(i) Shrek (ii) Coco
(ii) Frozen (iv) Brave
- 8) Which artist painted the ceiling of the Sistine Chapel in Rome? Michelangelo
(i) Raphael (iii) Sandro Botticelli
(ii) Michelangelo (iv) None of them
- 9) Which is the world's happiest country for 2023?
(i) Switzerland (iii) New Zealand
(ii) Finland (iv) Netherland
- 10) In what capital would you find The Little Mermaid statue?
(i) Copenhagen (iii) Berlin
(ii) Sofia (iv) Baku
- 11) How many stars on the China flag?
(i) 4 (iii) 5
(ii) 6 (iv) 7
- 12) Which country features a shipwreck on its national flag?
(i) Chile (iii) Bermuda
(ii) Portugal (iv) Costa Rica
- 13) Which country has the longest coastline in the world? Canada
(i) Switzerland (iii) Netherland
(ii) Greenland (iv) Canada
- 14) In which year did Sri Lanka become a member of the United Nations?
(i) 1950 (iii) 1960
(ii) 1955 (iv) 1965
- 15) Which is the biggest island in the world?
(i) Switzerland (iii) Netherland
(ii) Greenland (iv) Canada
- 16) Which animals symbolize good luck in Europe?
(i) Polar bear (iii) Ladybug
(ii) Salmon (iv) Penguin
- 17) When was Netflix founded?
(i) 1985 (iii) 2001
(ii) 1997 (iv) 2009
- 18) Which company developed the first mobile phone?
(i) IBM (iii) Motorola
(ii) Nokia (iv) Huawei

- 19) What product did Amazon originally sell?
(i) Books (iii) Toys and games
(ii) Computers and Accessories (iv) Furniture
- 20) What is the company founded by Bill Gates?
(i) Apple (iii) Google
(ii) Microsoft (iv) Amazon
- 21) What did Jack Dorsey, Noah Glass, Biz Stone, and Evan Williams collectively create?
(i) WhatsApp (iii) Twitter
(ii) Instagram (iv) Telegram
- 22) Who won the Nobel Prize in Economic Sciences in 2023?
(i) Claudia Goldin (iii) Narges Mohammadi
(ii) Jon Fosse (iv) Drew Weissman
- 23) What is the only letter not to appear on the periodic table?
(i) G (iii) J
(ii) R (iv) Y
- 24) How many "Sustainable Development Goals" have been declared by the United Nations?
(i) 14 (iii) 15
(ii) 16 (iv) 17
- 25) Which country hosted the the 2022 United Nations Climate Change Conference, more commonly referred to as COP27?
(i) The United States. (iii) Japan
(ii) The United Kingdom (iv) Egypt



SECTION B - SUBJECT KNOWLEDGE – 25 QUESTIONS

Underline the correct answer

- 1) What is the largest ocean in the world?
(i) Pacific Ocean (ii) Atlantic Ocean (iii) Indian Ocean (iv) Arctic Ocean
- 2) Select the correct answer regarding Oceans.
(i) 80% of the planet's surface is covered by ocean
(ii) Ocean floor is always flat
(iii) Ocean waves are created by winds
(iv) Ocean floor is always illuminated by sunlight
- 3) What is the correct regarding marine environment?
(i) Oceans do not perform photosynthesis
(ii) Oceanic water have large amounts of minerals
(iii) No mammals in Oceanic water
(iv) Oceanic water is not a transport media for humans
- 4) What is the correct answer regarding Corals?
(i) Corals are higher plants
(ii) Corals belong to phylum Cnidaria
(iii) Living corals are always white in color
(iv) Corals do not form living colonies
- 5) Select the correct answer regarding Sri Lankan marine environment.
(i) Whales are not seen within the Sri Lankan marine territory
(ii) Beach erosion is not a serious issue around Sri Lanka
(iii) Sri Lankan beaches are not polluted with plastics
(iv) Sri Lankan marine environment can be polluted by the shipping industry
- 6) Select the incorrect answer.
(i) Fishes are amphibians (ii) Fishes are chordates (iii) Fishes are vertebrates (iv) All fish species do not lay eggs
- 7) Who is not an arthropod?
(i) Shrimp (ii) Prawn (iii) Octopus (iv) Lobster
- 8) What is an estuary?
(i) A long river (ii) The place a river connects with the ocean
(iii) The upper part of a river (iv) A coastal reservoir
- 9) Select the correct order
(i) Freshwater salinity < Seawater salinity < Brackish water salinity
(ii) Seawater salinity < Brackish water salinity < Freshwater salinity
(iii) Brackish water salinity > Seawater salinity > Freshwater salinity
(iv) Seawater salinity = Brackish water salinity = Freshwater salinity

- 10) What is a coastal lagoon?
 (i) A salty river
 (ii) A coastal freshwater body
 (iii) A coastal brackish water body connected to the ocean
 (iv) A coastal freshwater body connected to the ocean
- 11) What is the commercially important, edible marine molluscan type?
 (i) Shrimp (ii) Squid (iii) Starfish (iv) Crab
- 12) What is not a property of water?
 (i) Low density when frozen (iii) High heat vaporization
 (ii) Polarity (iv) Non-polarity
- 13) What is inland fisheries?
 (i) Fisheries in reservoirs (iii) Fisheries in reservoirs and rivers
 (ii) Fisheries in reservoirs, lakes, rivers (iv) Fisheries in all inland waterbodies
- 14) What is not a common parameter used for measuring the water quality?
 (i) Colour (ii) Turbidity (iii) pH (iv) Electric Resistance
- 15) By consuming fish, humans can obtain
 (i) Protein (ii) Minerals (iii) Oil (iv) Above all
- 16) What area may have the highest biodiversity?
 (i) A tropical Coral reef (iii) Sandy beach
 (ii) Inland reservoir (iv) Rocky beach
- 17) What is not an adaptation for living in water?
 (i) Presence of gills (iii) Ability to swim
 (ii) Presence of fins (iv) Ability to breath atmospheric Oxygen
- 18) What is incorrect regarding genetic materials?
 (i) They support evolution (iii) They control physiology
 (ii) They control morphology (iv) They do not change over time
- 19) What is the simplest level of biological organization?
 (i) Tissue (ii) Cell (iii) Organs (iv) Ecosystem
- 20) What is common to both DNA and RNA?
 (i) Double helix (ii) Deoxyribose (iii) Ribose (iv) Adenine
- 21) What is not a feature of the mangrove environment?
 (i) Brackish water (ii) Anaerobic soil (iii) Salty soil (iv) Hard soil

- 22) What is not a marine/maritime plant type?
(i) Algae (ii) Seagrass (iii) Beach vegetation (iv) Savannah
- 23) What is not a fish preservation method?
(i) Drying (ii) Smoking (iii) Salting (iv) Cutting
- 24) What is not a characteristic of a fresh fish in the market?
(i) Presence of Odor (ii) Red gills (iii) Firm body (iv) No odor
- 25) What is the largest living fish type in the ocean?
(i) Whales (ii) Dugongs (iii) Tuna (iv) Whale shark



SECTION C- GENERAL ENGLISH- 25 QUESTIONS

Underline the correct answer

- 1) Don't hesitate.....
(i) contacting me
(ii) to contact me
(iii) contacting to m
(iv) to contacting me
- 2) Way are you treating me like that.
(i) on
(ii) at
(iii) to
(iv) for
- 3) The test very difficult because even the weak candidates passed it.
(i) can't have been
(ii) was
(iii) must have been
(iv) can have been
- 4)of the rough sea, the boat trip was continued.
(i) On behalf of
(ii) Although
(iii) Despite
(iv) However
- 5) The researcher was..... his field data in the beach yesterday.
(i) been collected
(ii) being collected
(iii) collected
(iv) collecting
- 6) You entered to the Ocean University Degree program if you had passed the aptitude test
(i) can have
(ii) can
(iii) could have
(iv) not have
- 7) Unless the plastics were not invented, the ocean.....polluted by plastic
(i) would had been
(ii) would not have been
(iii) would have been
(iv) will have been
- 8) I think he wouldn't be so strong if he..... exercise every day?
(i) don't do
(ii) didn't take
(iii) does not take
(iv) wouldn't take
- 9) The fish wasto be tasty, but I didn't feel so
(i) said
(ii) saying
(iii) had said
(iv) say
- 10) When I saw others starting to eat their lunch, I wished..... brought something to eat?
(i) that I had
(ii) that I have
(iii) I have
(iv) I will have

Complete the following passive voice sentences using the correct "be form"

- 11) The degree program has..... followed by the students.
- 12) The report will..... written by the subject clerk.
- 13) My books have..... stolen by someone.
- 14) Those old roads are still..... used by people for travelling.
- 15) Unless I remembered, this section might not have..... added to the book by him.
- 16) Yesterday, when I enter to the room, I saw that the room wascleaned by the cleaner.
- 17) The class room will have.....arranged by tomorrow.
- 18) Will this work done by tomorrow?
- 19) I have waiting this assignment for 6 hours.
- 20) He had swimming for 1 hour.

Underline the correct missing words in the following sentences

- 21) My parents have been married twenty years.
(i) for (ii) to (iii) until (iv) then
- 22) He usually travels to work..... train.
(i) for (ii) by (iii) at (iv) with
- 23) You frequently see this kind of news..... television.
(i) in (ii) by (iii) on (iv) with
- 24) It has been raining..... morning
(i) for (ii) by (iii) until (iv) since
- 25).....it was a Friday, I left the office early
(i) The (ii) By (iii) On (iv) Since

SECTION D – IQ TEST – 25 QUESTIONS

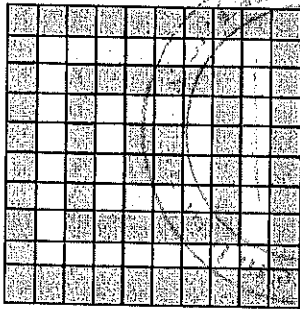
Underline the correct answer

- 1) If three students sit on each of the 16 benches in a class and 5 students are left standing, how many students are there in the class?
- (i) 48 (ii) 53
(iii) 46 (iv) 54
- 2) Out of 1200 pupils in a school, 800 are girls and the rest are boys. If 20% of the girls and 30% of the boys wear spectacles, Find what percentage of the total number of pupils wear spectacles.
- (i) 22.55% (ii) 31.11%
(iii) 20.5% (iv) 24.5%
- 3) Which conclusion follows from the statements with absolute certainty?
- (i) All fleas are on cats (ii) Cats can sometimes have black fleas
(iii) Dogs never have red fleas (iv) All cats have red fleas
- 4) What is the speed of 12 km per 30 seconds, in km per hour?
- (i) 1440 km/h (ii) 1340 km/h
(iii) 1240 km/h (iv) 1420 km/h
- 5) A store sold 80 smartphones, making a 35% profit of Rs. 472,000.00. How much did they charge for each smartphone?
- (i) Rs. 14,513 (ii) Rs. 16,857
(iii) Rs. 15,657 (iv) Rs. 16,657
- 6) Kevin is sixteen years old, and he is four times as old as his younger cousin. How old will Mike be when Mike is three times as old as Kevin's cousin?
- (i) 12 (ii) 15
(iii) 16 (iv) 10
- 7) A boy is facing west before blindfolded. He is spun 180 degrees to the right and then 540 degrees to the left. In what direction is he is now facing?
- (i) North (ii) West
(iii) South (iv) East
- 8) Which of the following is the smallest fraction?
- (i) $\frac{3}{4}$ (ii) $\frac{7}{9}$
(iii) $\frac{1}{2}$ (iv) $\frac{5}{8}$
- 9) The salary of the employee was reduced by 40% first and then was increased by 50%. What is the percentage of salary reduction?
- (i) 15% (ii) 10%
(iii) 20% (iv) 12%

10) What is one-fifth of one-third of one-half of one-fourth of 480?

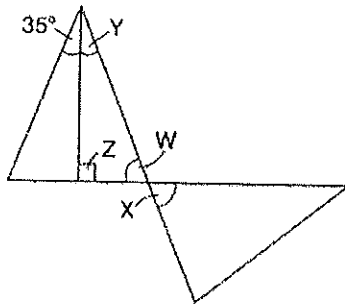
- (i) 120 (ii) 4
 (iii) 5 (iv) 8

11) What percentage of the figure is shaded?



- (i) 60% (ii) 70%
 (iii) 50% (iv) 65%

12) What is the value of angle X?



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

13) Calculate the answer:

$$52(25 + 43) - 24 \div 3$$

- (i) 3,528 (ii) 3,258
 (iii) 2,852 (iv) 2,522

14) At a school concert, the total value of tickets sold was Rs.1,506.00 Student tickets were sold for Rs.6.00 each and adult tickets were sold for Rs.9.00 each. The number of adult tickets sold was 5 less than three times the number of student tickets sold. How many student tickets and how many adult tickets were sold?

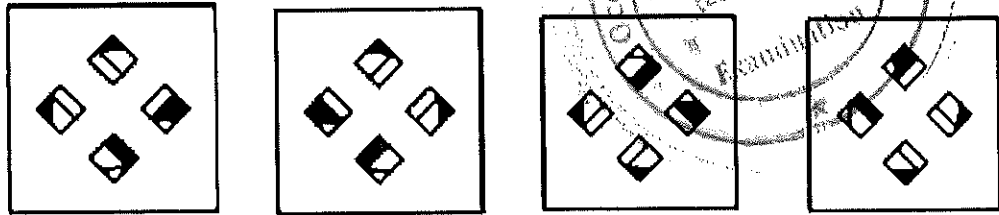
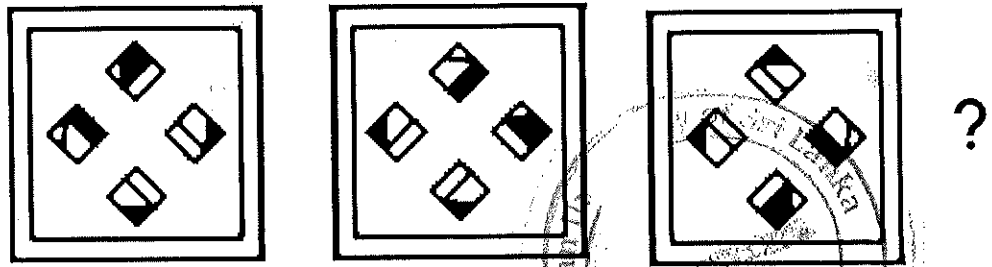
- (i) 45 student tickets 130 adult tickets (ii) 47 student tickets 130 adult tickets
 (iii) 47 student tickets 136 adult tickets (iv) 45 student tickets 136 adult tickets

15) If in a certain code language, BOSTON can be written as SNSNSN, then how would you write CALIFORNIA in the same code language?

- (i) OAOAOA (ii) LOILOILOI
 (iii) LONLONLON (iv) LONLON

Which of the figures can be used to continue the series given below?

16)



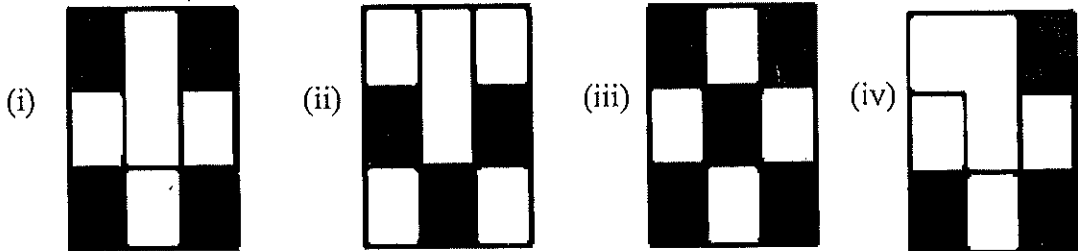
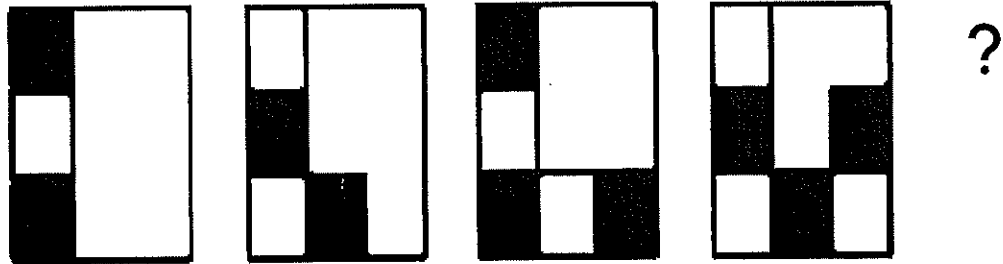
(i)

(ii)

(iii)

(iv)

17)



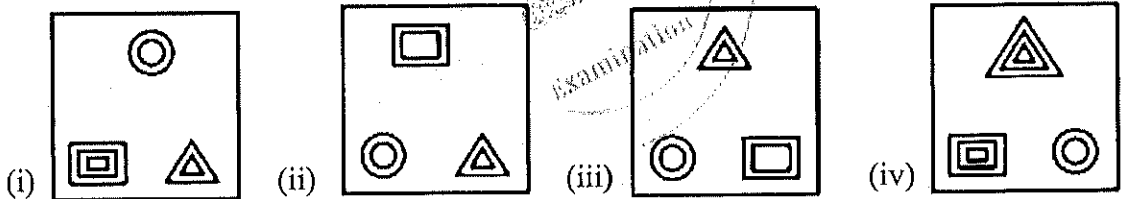
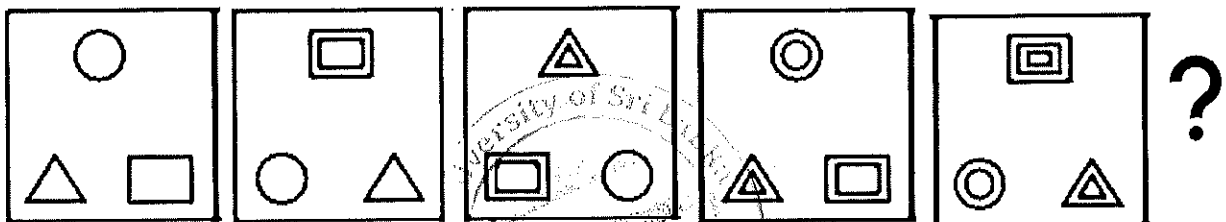
(i)

(ii)

(iii)

(iv)

18)



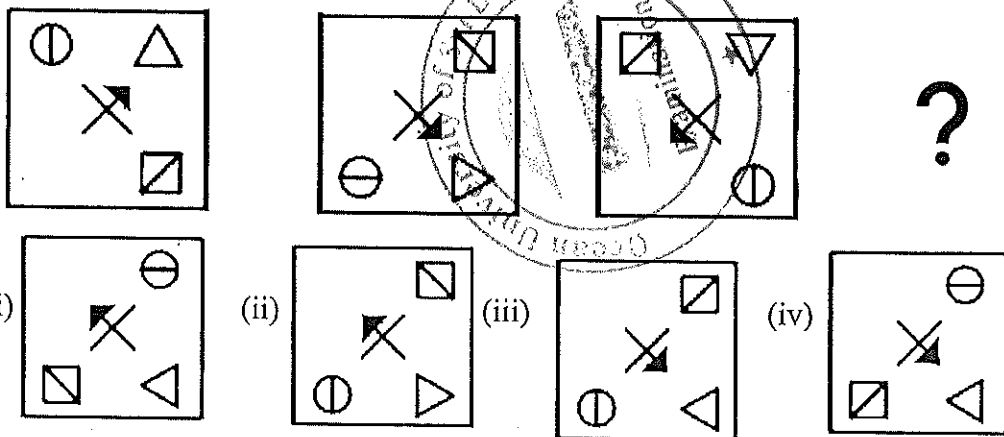
(i)

(ii)

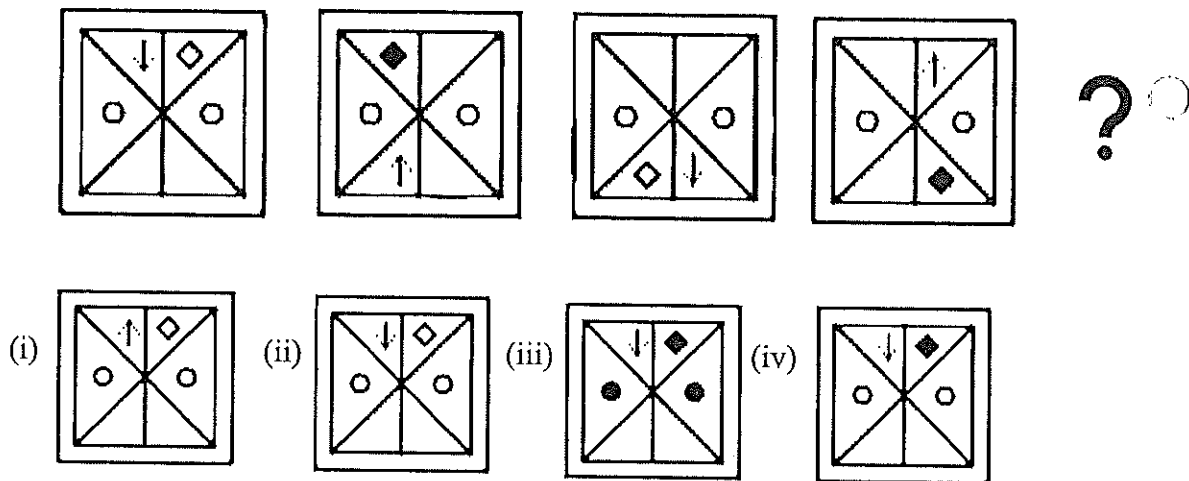
(iii)

(iv)

19)



20)



What is the next number in the series?

21) 2, 6, 12, 20, ____
(i) 28

(ii) 32

(iii) 36

(iv) 30

22) 3, 6, 18, 72, ____
(i) 84

(ii) 360

(iii) 300

(iv) 104

23) 153, 158, 151, 156, 149, 154, 147, ____
(i) 152

(ii) 156

(iii) 153

(iv) 154

24) 2, 7, 13, 20, 28, ____
(i) 30

(ii) 36

(iii) 40

(iv) 37

25) 31, 7, 25, 13, 19, 19, 13, ____
(i) 31

(ii) 20

(iii) 25

(iv) 27

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