

Ocean University of Sri Lanka

Aptitude Test 2023/2024

Maritime Transportation Management and Logistics

Index No .....

NIC No .....

Time: 02 Hours

**Instructions:**

- This paper consists of FOUR (04) sections in 10 pages which carry equal weight
- Students may take 30 minutes for each section and spend equal effort to all parts
- Attempt all questions
- Underline/write the most appropriate answer using a Dark Pencil/ Black or Blue Ball point pen
- Only one answer is allowed for each question
- No marks will be deducted for wrong answers
- Calculators are not allowed
- Erase unwanted marks clearly
- Return the question paper with the answers

**Section A** - Underline the correct answer. One mark for each question

1. Which country hosted the 18<sup>th</sup> summit of G20 countries?  
i. India      ii. Australia      iii. Canada      iv. Jordan
2. What is the name of the Indian spacecraft which landed on the south pole of the moon in August 2023?  
i. Gagan-3      ii. Chandrayan-3      iii. Ravan-3      iv. Pavan-3
3. What is the name of the Sri Lankan author who won the 2022 Booker Prize?  
i. Amara Karunathilake      ii. Shehan Jayakodi  
iii. Sunethra Rajakaruna      iv. Shehan Karunatilaka
4. Which country won the Cricket Asia Cup in 2023?  
i. Sri Lanka      ii. Bangladesh      iii. India      iv. Pakistan

5. What is the longest river in Sri Lanka?  
i. Kalani River    ii. Mahaweli River    iii. Nilwala River    iv. Walwe River
6. Who is the author of the book "War and Peace"?  
i. Leo Tolstoy    ii. Maxim Gorky    iii. Ravindranath Tagore  
iv. Guy De Maupassant
7. What is the capital city of Ukraine?  
i. Moscow    ii. Kyiv    iii. Brussels    iv. Helsinki
8. Which country became a member of NATO (North Atlantic Treaty Organization) in 2023?  
i. South Africa    ii. Russia    iii. Vietnam    iv. Finland
9. Which country hosted the BRICS Annual Leaders' Summit in 2023?  
i. India    ii. Russia    iii. China    iv. South Africa
10. Who was the first female cabinet minister in Sri Lanka?  
i. Mrs. Vimala Wijewardene    ii. Mrs. Chandrika Bandaranaike Kumaratunga  
iii. Mrs. Ferial Ashraff    iv. Mrs. Srimani Athulathmudali
11. World Ocean Day is celebrated on  
i. 15<sup>th</sup> June    ii. 08<sup>th</sup> June    iii. 21<sup>st</sup> July    iv. 09<sup>th</sup> July
12. Name of the state intelligence service of Israel,  
i. RO    ii. Mossad    iii. M16    iv. CIA
13. Which currency is considered as the international currency within China' Belt and Road Initiative?  
i. US Dollar    ii. Yuan    iii. Euro    iv. Renminbi
14. Which film won the 'Best Picture' award in the Oscar awards 2023?  
i. Everything Everywhere All at Once    ii. Maverick  
iii. Slumdog Millionaire    iv. Black Panther
15. Who won the gold medal in the women's 800m sprint in 19<sup>th</sup> Asian Games?  
i. Chamari Athapaththu    ii. Tharushi Karunaratne  
iii. Avinash Sable    iv. Harmilan Bains
16. Who built the tank, Parakrama Samudraya?  
i. King Dutugamunu    ii. King Parakramabahu the great  
iii. King Pandukabaya    iv. King Wasaba

17. The headquarters of United Nations (UN) is in,  
i. Washington    ii. London    iii. Geneva    iv. New York
18. How many players are in a Rugby team?  
i. 15    ii. 08    iii. 11    iv. 14
19. Who is the director of the film Titanic?  
i. Peter Jackson    ii. Steven Spielberg    iii. James Cameron    iv. David Lean
20. Who invented Penicillin?  
i. Louis Pasteur    ii. Edward Jenner    iii. Alexander Fleming    iv. Joseph Lister
21. Which is the nearest planet to the earth?  
i. Jupiter    ii. Mercury    iii. Venus    iv. Saturn
22. Which is the main gas that makes up the Earth's atmosphere?  
i. Oxygen    ii. Nitrogen    iii. Carbon dioxide    iv. Argon
23. How many elements are in the periodic table?  
i. 100    ii. 120    iii. 118    iv. 122
24. Who won the Nobel Peace Prize in 2023?  
i. Malala Yousafzai    ii. Nelson Mandela    iii. Narges Mohammadi  
iv. Mazui Masena
25. Which country won the Rugby World cup 2023?  
i. South Africa    ii. New Zealand    iii. France    iv. Germany

**Section B** - Underline the correct answer. One mark for each question

1. What is the fastest mode of transportation?  
i. Air    ii. Road    iii. Rail    iv. Maritime
2. What is the safest mode of transportation?  
i. Air    ii. Road    iii. Rail    iv. Maritime
3. What is the most economical mode of transportation?  
i. Air    ii. Road    iii. Maritime    iv. Pipeline
4. What is the most reliable mode of transportation?  
i. Air    ii. Road    iii. Maritime    v. Pipeline

5. Which mode of transportation has the highest market share in transporting cargo?  
 i. Road                      ii. Rail                      iii. Maritime                      iv. Pipeline
6. Which country owns the largest merchant shipping fleet in the world?  
 i. USA                      ii. UK                      iii. China                      iv. Greece
7. What is the largest container port in the world in 2022?  
 i. Singapore                      ii. Shanghai                      iii. Busan                      iv. Rotterdam
8. What is the rank of the Colombo port among the largest container port in the world in 2022?  
 i. 13                      ii. 18                      iii. 23                      iv. 28
9. Who is the largest shipping line in the world by 2023?  
 i. Maersk                      ii. CMA CGM                      iii. Mediterranean Shipping Company                      iv. COSCO
10. Who is the largest Global Container Terminal Operator (GTO) in the world?  
 v. China Merchant Ports                      ii. Hutchison Ports                      iii. APM Terminals                      iv. PSA International
11. What is the largest containership in the world in 2023?  
 i. MSC Irina                      ii. OOCL Spain                      iii. ONE Infinity                      iv. Ever Alot
12. "Seawise Giant" is the largest cargo ship ever built. What type of a ship is it?  
 v. Bulk carrier                      ii. Tanker ship                      iii. Containership                      iv. Passenger ship
13. What is not a major seaport in Sri Lanka?  
 i. Colombo                      ii. Negombo                      iii. Galle                      iv. Oluvil
14. What are the two ports connected by the ferry service started between Sri Lanka and India in 2023?  
 i. Colombo - Rameswaram                      ii. Mannar – Dhanushkodi  
 iii. Kankesanthurai – Nagapattinam                      iv. Point Pedro - Pondicherry
15. What is the incorrect statement about the maritime history of Sri Lanka?  
 i. Sri Lanka was a maritime trading hub in the Indian Ocean around the 4<sup>th</sup> century BC.  
 ii. Sri Lanka was identified as Taprobana in the Ptolemy's map from the 2<sup>nd</sup> century AD.  
 iii. Galle was the first port of Sri Lanka visited by the Portuguese in the 16<sup>th</sup> century AD.  
 iv. Sri Lanka was not a famous ship building and seafaring nation in the Indian Ocean.
16. What is the highest container throughput handled in the Colombo Port in TEUs?  
 i. 6.9 million                      ii. 7.0 million                      iii. 7.1 million                      iv. 7.2 million

17. Where is the headquarters of the International Maritime Organization located?  
i. New York      ii. Singapore      iii. London      iv. Brussels
18. What is not an alternative power source used to propel the modern cargo ships?  
i. Hydrogen      ii. Wind power      iii. Biofuels      iv. Ammonia
19. What is not a primary activity in logistics operations?  
i. Transportation      ii. Warehousing      iii. Inventory Management      iv. Finance
20. What organization regulates the air transportation in the world?  
i. International Air Transport Association  
ii. International Civil Aviation Organization  
iii. Flight Safety Foundation  
iv. Federal Aviation Administration
21. What are the two countries separated by the Malacca Strait?  
i. Malaysia-Singapore      ii. Malaysia-Thailand  
iii. Malaysia-Indonesia      v. Malaysia-Brunei
22. What are the two continents connected by the world longest railway?  
i. Europe- Africa      ii. Europe-Asia  
iii. Asia-Africa      iv. North America-South America
23. What are the two oceans connected by the Panama Canal?  
i. Pacific-North Atlantic      ii. Pacific-South Atlantic  
iii. North Atlantic-South Atlantic      iv. Pacific-Indian
24. What are the two seas connected by the Suez Canal?  
i. Arabian Sea - Red Sea      ii. Arabian Sea – Mediterranean Sea  
iii. Red Sea - Mediterranean Sea      iv. Iberian Sea- Mediterranean Sea
25. What is not a member state of the IMO?  
i. Bangladesh      ii. India      iii. Nepal      iv. Bhutan

**Section C** – Follow the given instructions in each question accurately. Allocated marks are indicated with each question.

**a. Read the paragraph and answer the questions.**

All spiders spin webs. That is because they help spiders in many ways. Webs help spiders to do three things. Webs help spiders to hold eggs, hide and catch food. Many spiders like to lay their eggs in their webs because the webs help to keep the eggs together and also help spiders keep their eggs safe.

They help spiders to hide because most spiders are dark. They are brown, grey or black. But spider webs are light. They are white and cloudy. When spiders hide in their webs, they are harder to see. Webs help spiders catch food. Spider webs are sticky. When a bug flies into the web, it gets stuck. It moves around. It tries to get out. But it can't. It gets trapped! Spiders can tell when the bug is trapped. That is because spiders feel the web move. When the spider gets hungry, it goes to get the bug. As you can see, webs help spiders hold eggs, hide and catch food. Without webs, spiders would not be able to live like they do. Spiders need their webs to survive.

i. What is this passage referring to? (01 mark)

.....

ii. What are the three ways which webs help spiders? (01\*3:03 marks)

.....

.....

.....

iii. What are the three different colours of spiders? (01\*3: 03 marks)

.....

.....

.....

iv. How do spiders know when something is trapped in their webs? (01 mark)

.....

.....

v. As used in the last sentence of the last paragraph, the word, **survive** means to; (01 mark)

- a. Stay alive      b. Stay hidden      c. Caught

vi. As used in the paragraph 02, the word, **trapped** means to; (01 mark)

- a. Stuck      b. Hidden      c. Eaten

**b. Fill in the blanks with the words given. There are three extra words. (01\*5: 05 marks)**

Look at any roadside garbage dump. In addition to vegetable scraps, paper and broken glass, you will notice a (i) ..... amount of plastic material such as polythene bags, shampoo bottles, and old slippers. Vegetable scraps and paper are (ii) ..... but glass and plastic continue to (iii) ..... and harm the environment. Plastic is often (iv) ..... for foods by birds and animals which often leads to their death. It also (v) ..... sewer pipes and becomes a trap for living beings in ponds, rivers and oceans.

accumulate, mistaken, recycle, reachable, considerable, perishable, blocks, clears

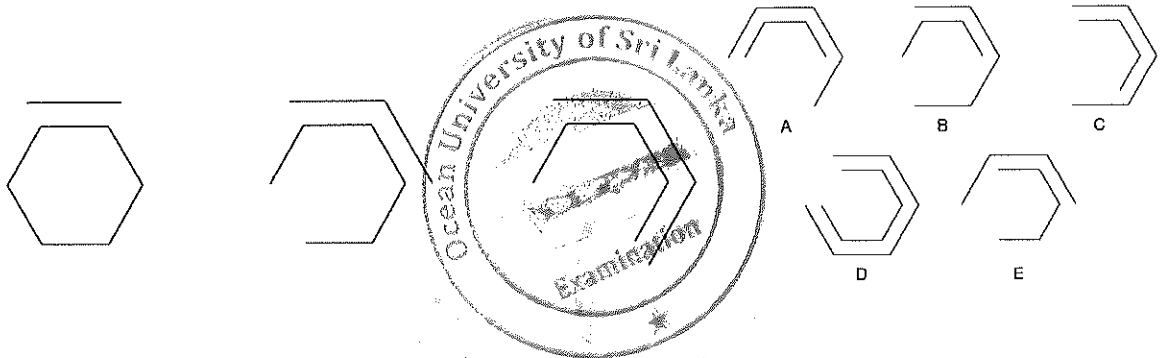
**c. Complete the sentence by selecting the correct form of verb/adverb/adjective/phrase. (write the correct answer in the space). (01\*10: 10 marks)**

- i. Don't forget .....(switch/to switch/switching) off the light before you go out.
- ii. What time is .....(a/an/the) next train to Colombo?
- iii. The next meeting is.....(on/in/at) 15<sup>th</sup> January.
- iv. We arrived .....(in/to/at) the hotel after midnight.
- v. Don't take the newspaper away. ....(I read/ I'm going to read/ I'll read) it.
- vi. Who .....(inventing/ invent/ invented) the camera?
- vii. The information will .....(be sent/ sent/ be send) to you as soon as possible.
- viii. How long ..... (do you learn/ are you learning/ have you been learning) English? Six months.
- ix. The weather is .....(cloud/ cloudy/ cloudiness) today.
- x. English is the ..... (useful/ most useful/ more useful) language in the world.

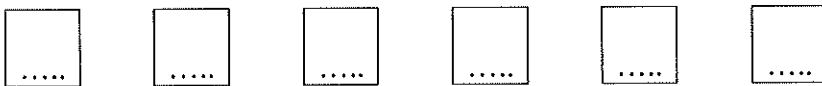
**Section D** – Write the correct answer in the given space. Allocated marks are indicated with each question.

1. Yuri and Olga are orangutans that perform in a circus by riding bicycles around a circular track. It takes Yuri 6 min and Olga 4 min to make one trip around the track. Suppose they start at the same point and then complete their act when they again reach the same point. How long is their act? (.....) (01 mark)
2. A recipe for bread calls for 2 cups of water,  $\frac{1}{4}$  cup of milk, and  $\frac{1}{8}$  cup of oil. How many cups of liquid ingredients does the recipe call for? (.....) (01 mark)
3. When 36 is subtracted from 5 times a certain number, the result is 374. What is the number? (.....) (01 mark)
4. The second angle of a triangular field is three times as large as the first. The third angle is  $40^\circ$  greater than the first. How large is the smallest angle? (.....) (01 mark)
5. How many minutes is to before 11.00 am, if 30 minutes ago it was four times as many minutes past 9.30 am? (.....) (01 mark)
6. During lunchtime, a school canteen served 280 students. 84 students bought only sandwiches, 76 students bought only fruit and 42 students bought only chips. In addition, 14 students bought sandwiches and fruit only, 21 students bought fruit and chips only and 27 students bought sandwiches and chips only. (01\*5: 05 marks)
  - a. How many students bought fruit? (.....)
  - b. How many students bought chips? (.....)
  - c. How many students bought fruit and chips? (.....)
  - d. How many students bought sandwiches and fruit? (.....)
  - e. How many students bought chips but not fruit? (.....)
7. How many numbers between 1 and 1000 (inclusive) are divisible by 2? (.....) (01 mark)
8. How many numbers between 1 and 1000 (inclusive) are divisible by neither 2 nor 3? (.....) (01 mark)
9. Find the answer for the calculation below. (01 mark)
$$[96 \times (6 - 4) \div 8] + [7 \times (8 - 3)] = (\dots \dots)$$
10. What number should replace the question mark in the following sequence? (.....) (01 mark)  
100, 97.4, 94.9, ?, 90.2, 88

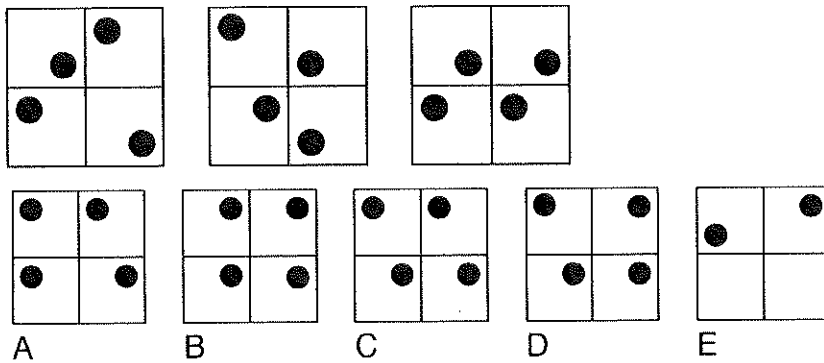
11. What is the next diagram in the following sequence? (.....) (01 mark)



12. Place the numbers 1,2,3,4,5, and 6 in to the following boxes, so that:  
 the sum of the numbers 4 and 1, and all the numbers between them total 12;  
 the sum of numbers 4 and 6, and all the numbers between them total 21;  
 the sum of the numbers 2 and 1, and all the numbers between them total 8.  
 (0.5\*5: 03 marks)



13. What is the next diagram in the following sequence? (...D...) (01 mark)



14. What is the missing section in the following diagram? (.....) (01 mark)

7	10	13	16
9	12	?	18
11	?	?	20
13	16	19	22

15	16
15	18

A

15	15
15	18

B

14	15
14	17

C

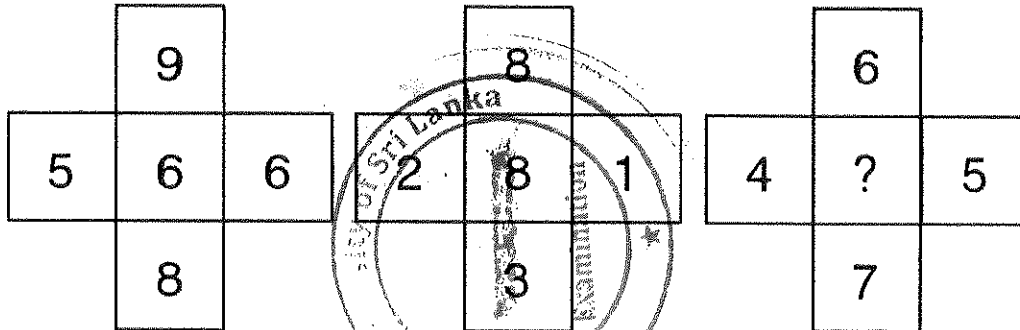
14	16
14	17

D

15. Which number is the odd one out? (.....) (01 mark)

- (A) 3647 (B)2536 (C)5869 (D)6957 (E)1425 (F)4758

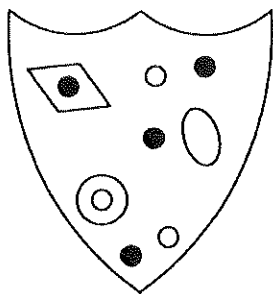
16. What number should replace the question mark? (.....) (01 mark)



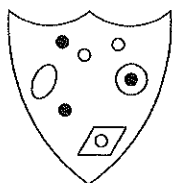
17. In eight years time the combined age of me and my two sons will be 124. What it will be in five years time? (.....) (01 mark)

18. Jack is twice as old as Jill, but in five years time, he will only be one and half times old. How old are Jack and Jill now? (0.5\*2: 01 marks)  
(Jack:....., Jill:.....)

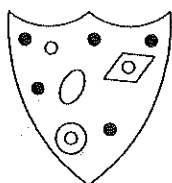
19.



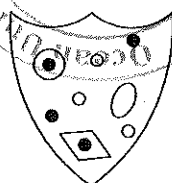
Which shield below has most in common with the shield above? (.....) (01 mark)



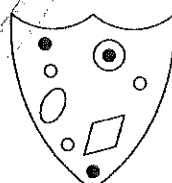
A



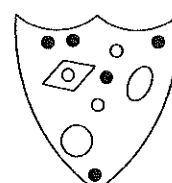
B



C



D



E

~ End of Paper ~