



Ocean University of Sri Lanka  
Aptitude Test 2022/2023  
Maritime Transportation Management and Logistics  
Examination

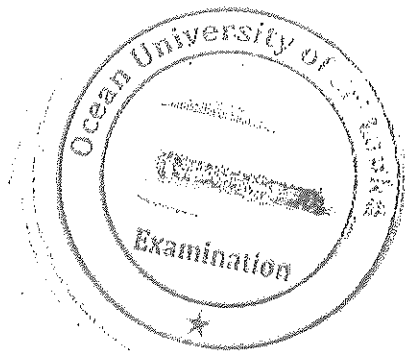
Index No .....

NIC No .....

Time: 02 Hours

**Instructions:**

- This paper consists of FOUR (04) sections in 10 pages
- Total marks attainable for this paper is 100.
- Marks are equally distributed among the four sections.
- Attempt all questions.
- Use a Black or Blue Ball point pen for answering.
- Only one answer is allowed for each multiple-choice question
- No marks will be deducted for wrong answers
- Calculators are not allowed.
- Erase unwanted marks clearly.
- Answer all questions on the paper itself.



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

1. Which country has won the Asia cup the most?  
a) Sri Lanka                      b) Pakistan                      c) India                      d) Bangladesh
2. Which team was defeated by the National Netball team of Sri Lanka to become the defending champions in 2022?  
a) Indonesia                      b) Singapore                      c) Malaysia                      d) Hong Kong
3. The next Summer Olympics is scheduled to be held in 2024 in  
a) France – Paris                      c) USA – Los Angeles  
b) Italy – Milan                      d) China – Beijing
4. How many times has the Sri Lankan Netball team won the Asian championship title?  
a) 02                      b) 04                      c) 06                      d) 08
5. Yupun Abeykoon became the first South Asian sprinter to break the 10 second barrier in 100m at the  
a) International Athletics Meeting in Germany  
b) Resisprint International athletic meet in Switzerland  
c) Commonwealth Games in England  
d) Diamond League in Switzerland
6. The upcoming FIFA World cup of 2022 will be held in  
a) Russia                      b) USA                      c) Qatar                      d) Brazil
7. The famous painting “Creation of Adam” appearing on the ceiling of Sistine chapel in Vatican was drawn by  
a) Leonardo da Vinci                      c) Sandro Botticelli  
b) Michelangelo                      d) Johannes Vermeer
8. The famous novel “Anna Karenina” was written by  
a) Leo Tolstoy                      c) Charles Dickens  
b) William Shakespeare                      d) Ernest Hemingway
9. What is the book not authored by the famous Sri Lankan author, Mr. Martin Wickremasinghe?  
a) Leela                      b) Soma                      c) Seetha                      d) Lasanda
10. Who was the first female appointed as a prime minister of a country in the world?  
a) Sirimavo Bandaranaike                      c) Margaret Thatcher  
b) Indira Gandhi                      d) Benazir Bhutto
11. Who is the current prime minister of the United Kingdom?  
a) Liz Truss                      c) Rishi Sunak  
b) Boris Johnson                      d) David Cameron
12. Who was the first prime minister of the Democratic Socialist Republic of Sri Lanka?  
a) Hon. J.R. Jayewardena                      c) Hon. D.B. Wijetunga  
b) Hon. R. Premadasa                      d) Hon. Sirimavo Bandaranaike

13. Prime minister is considered as the executive or the head of the government in  
a) Germany                      b) USA                      c) Canada                      d) Sri Lanka
14. Which space mission was successful to land on the moon?  
a) Apollo 9                      b) Apollo 10                      c) Apollo 11                      d) Apollo 12
15. What is the most distant Man-made object in space from earth?  
a) Pioneer 1                      b) Pioneer 2                      c) Voyager 1                      d) Voyager 2
16. World Teachers' Day is celebrated on  
a) 1<sup>st</sup> October                      b) 5<sup>th</sup> October                      c) 10<sup>th</sup> October                      d) 15<sup>th</sup> October
17. World Ocean Day is celebrated on  
a) 1<sup>st</sup> June                      b) 4<sup>th</sup> June                      c) 8<sup>th</sup> June                      d) 10<sup>th</sup> June
18. What is the world's largest lake by surface area  
a) Baikal                      b) Caspian                      c) Victoria                      d) Superior
19. Which country had allied with UK in the first World War?  
a) Japan                      b) Germany                      c) Turkey                      d) Austria
20. When did the second world war ended?  
a) 1939                      b) 1942                      c) 1943                      d) 1945
21. UNCTAD stands for  
a) United Nations Committee on Transport and Development  
b) United Nations Committee on Technology and Development  
c) United Nations Conference on Technological Advancements and Development  
d) United Nations Conference on Trade and Development
22. Five Nobel Prizes awarded during the first awarding in 1901 did not include  
a) Economics                      b) Peace                      c) Literature                      d) Chemistry
23. Which country is not a member of the United Nations?  
a) Cuba                      b) Palestine                      c) Republic of Korea                      d) Democratic People's Republic of Korea
24. The United Nations headquarters is located in  
a) Geneva                      b) London                      c) Paris                      d) New York
25. Kyoto protocol is related to the  
a) Green House Gas emissions                      c) Sustainable development  
b) Ozone layer depletion                      d) Human rights

[1x25 = 25 Marks]



14. What percentage of cargo tonnage in the world is carried by Maritime Transportation?  
 a) 60%                      b) 70%                      c) 80%                      d) 90%
15. What is the width of a 20ft standard general purpose container box used in Maritime transportation?  
 a) 8ft                      b) 8ft 6inches                      c) 9ft                      d) 9ft 6inches
16. What is the ship that blocked the Suez canal in 2021?  
 a) Ever Ace                      b) Ever Given                      c) Ever Act                      d) Ever Aload
17. How many ports in Sri Lanka are managed by the Sri Lanka Ports Authority?  
 a) 5                      b) 6                      c) 7                      d) 8
18. Where is the starting point of the E01 Expressway in Sri Lanka?  
 a) Panadura                      c) Kadawatha  
 b) Kottawa                      d) Kerawalapitiya
19. Which of the following cities was not connected by railway during the British colonization in Sri Lanka?  
 a) Nuwaraeliya                      b) Ratnapura                      c) Mihintale                      d) Embilipitiya
20. Suez Canal is situated in  
 a) Egypt                      b) Saudi Arabia                      c) Israel                      d) Lebanon
21. In which continent is the Panama Canal situated in?  
 a) South America                      c) Africa  
 b) North America                      d) Asia
22. What is the first autonomous electric cargo ship in the world?  
 a) Zhi Fei of Bestway                      c) Yara Birkeland of Yara and Kongsberg  
 b) Suzaka of NYK                      d) Mikage of MOL
23. Which of the following port has a fully automated container terminal?  
 a) Hong Kong                      b) Rotterdam                      c) Liverpool                      d) Colombo
24. Who is not a partner of the joint venture to build and operate the West Container Terminal of the port of Colombo?  
 a) Sri Lanka Ports Authority                      c) TATA Group  
 b) Adani Group                      d) John Keells Holdings
25. Select the incorrect statement about Logistics  
 a) Logistics is the overall process of managing how resources are acquired, stored, and transported to their destination  
 b) Poor logistics in a business can impact its bottom line  
 c) "Logistics" was initially a military-based term used in reference to how military personnel obtained, stored, and moved equipment and supplies  
 d) Logistics is an entire system of producing and delivering a product or service, from sourcing the raw materials to the final delivery of the product or service to end users

[1x25 = 25 Marks]

SECTION C

1. Read the paragraph and answer the questions. (Two marks for each question)

**Autonomous and remotely operated ships**

Interest in autonomous and remotely controlled ships is growing fast. Enabled by recent developments in sensor technology, connectivity at sea, and analysis and decision support software and algorithms, the first commercial projects are ready for launch soon. The field is a wide one, with many different automation applications and concepts that could benefit the maritime industry, varying from completely unmanned ships to vessels remote-controlled from land-based virtual bridges to support systems that warn the crew before a collision or help to optimize operations.

Autonomous shipping could offer a way to move cargo off the road and onto the sea, improving road congestion and lowering maintenance costs, while improving air quality and safety. These benefits have prompted many governments to look into autonomous concepts, with nations such as Finland, Japan, the USA, and Singapore conducting research and trials. In Norway, government agencies and industry bodies established the Norwegian Forum for Autonomous Ships (NFAS) to promote the concept of unmanned shipping. In addition, the Norwegian government turned the Trondheim Fjord into a test bed for autonomous ship trials. From the sensors on board, the reliability of machinery in an unmanned vessel, to the software which must be stable and cyber-secure, to national and international rules and regulations, there are many challenges that need to be addressed before this technology can be put into operation.

a) What are the factors accelerated the introduction of autonomous and remotely controlled ships?

.....  
.....  
.....  
.....

b) Identify the applications of autonomous and remotely controlled ships in maritime industry.

.....  
.....  
.....  
.....

c) Why are many governments interested in autonomous and remotely controlled ships?

.....  
.....  
.....  
.....

d) What are the countries conducting research and trials on autonomous and remotely controlled ships?

.....  
.....  
.....  
.....

e) What are the potential areas that might create challenges for autonomous and remotely controlled ships?

.....  
.....  
.....  
.....

[2x5 = 10 Marks]

2. Fill in the blanks of the following passage using the most suitable word given below. (Half a mark for each correct answer).  
 [school, themselves, education, secondary, they, pupils, world, their, stage, wrong, read, study, learn, to, about, with, the, on, in, to]

Formal education has several stages. In the first stage children are taught to ....., write and count. They work ..... hands and voices. They .....to work together. They have ..... begin to understand right and ....., From this stage they go ..... to learn more about ..... and the world in which ..... live. These two stages of ..... usually take place in primary ..... and may continue into the ..... school. At secondary school pupils ..... different subjects. These subjects add ..... knowledge of the .....in which they live. As some .....finish their schooling during this .....they need to know about .....work they will do and ..... life as a citizen. Some schools train ..... pupils for certain kind of jobs ..... workplaces. Otherwise, training is given at work.

[0.5x20 = 10 Marks]

3. Rewrite the following sentences beginning with the word given. (One mark for each correct sentence)  
 Ex: Q: Valuable minerals are not found in every country.  
 A: Every country does not have valuable minerals.

- a. A number of gases make up the air we breathe.

The air we .....

- b. Oxygen is the life-giving gas of the air.

The life-giving .....

- c. The belt of air that covers the earth is about 72 kilometres thick.

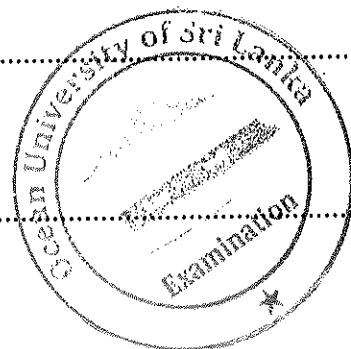
The thickness of .....

- d. The gases in the atmosphere are not equally distributed.

There is no .....

- e. At high levels above the ground the air thins out.

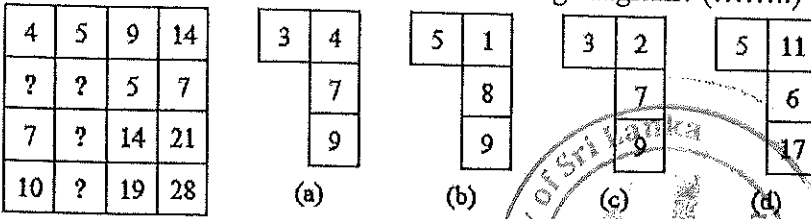
The air is .....



[01x05 = 05 Marks]  
 [Total 25 Marks]

**SECTION D** - Write the correct answer in the space given. One mark for each question

1. Which is the missing section of the following diagram? (.....)



2. What are the missing numbers? (.....)

42, (21, 11), 33

56, (28, 09), 27

64, (... , ...), 51

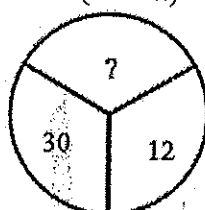
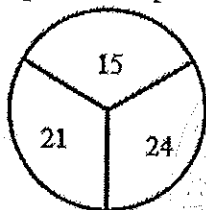
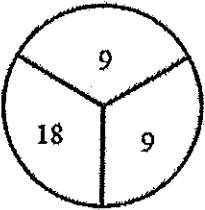
3. What number comes next? (.....)

3, 7, 15, 31, 63, .....

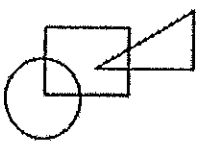
4. The combined age of Roy and Tom is 26. The combined age of Tom and Jane is 30. The combined age of Roy and Jane is 28. How old is Roy, Tom, and Jane?

Roy - ..... Tom - ..... Jane - .....

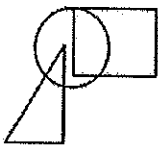
5. Which number should replace the question marks? (.....)



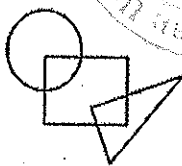
6. Select the odd figure from below. (.....)



(a)



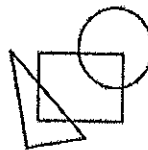
(b)



(c)



(d)



(e)

7. Make an eight-letter word out of the following five letters.

M, T, O, W, R - (.....)

8. You are given eight (8) identical spheres in shape and size with a balance scale as in the figure below. Among the eight spheres, one sphere weighs 500g higher than the remaining seven (7). What is the minimum number of measurements required to identify the sphere with a different weight?



(.....)

9. What number should replace the question marks? (.....)



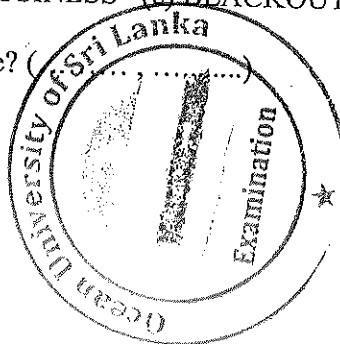
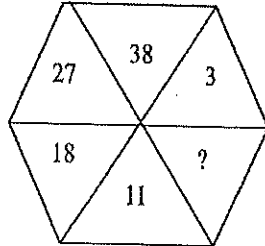
BUFF, BULGE, BULLET, BUTCHER, BUTTRESS, .....

- (a) BURDEN (b) BUTTERCUP (c) BUMBLE (d) BUSINESS (e) BLACKOUT

22. What are the next two numbers of the following sequence? (.....)

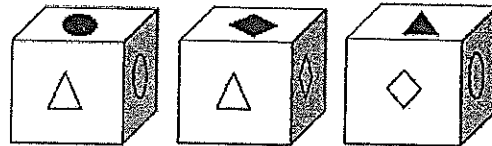
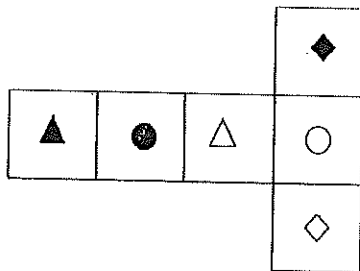
1, 10, 2.5, 8.5, 4.0, 7.0, 5.5, 5.5, 7.0, ....., .....

23. What number should replace the question mark? (.....)

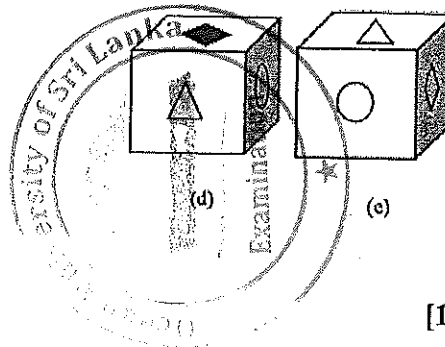


24. A train travelling at a speed of 80 km/h enters a tunnel 2 km long. The length of the train is 80 metres. How long does it take for the entire train to pass through the tunnel from the moment of entry to the moment the rear emerges? (.....)

25. Identify the possible cube when the shape below is folded to form a cube. (.....)



(a) (b) (c)



[1 x 25 = 25 Marks]

~ End of Paper ~