

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – December 2022
Programme Name: B Tech (ME)
Semester: I
Subject Code: UG11T4106
Subject Name: MARITIME AWARENESS

Date: 30.12.2022	Max Marks: 70
Duration: 03 Hrs	Pass Marks: 35

General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options, if any, are specified in respective section.

Section A

Ten MCQs/Fill in the Blanks of 01 Mark each – Choose the correct answer as applicable.

- 1. What is the maximum length of a vessel's hull measured parallel to the waterline called?**
A: LOA
B: Beam
C: Hull length
D: Marina berth
- 2. What do bulk carrier ships dont carry?**
A: Food grains
B: Chemicals
C: Coal
D: Cement
- 3. Which of the following major cargo and goods are moved through sea route?**
A: Food
B: Livestock
C: Crude oil
D: All of the above
- 4. What is the most important role of water transport?**
A: Export and import of large weight of goods
B: Tourism

- C: Fast transportation
- D: None of the above

5. Which is the largest bunkering port in the world?

- A: Antwerp
- B: Mumbai
- C: Singapore
- D: None of the above

6. Which of the following are not related to Sounding?

- A: Voyage planning
- B: Cargo planning
- C: Ship stability
- D: Length of dry docking

7. Why is ventilation important in cargo holds?

- A: For crew members' health
- B: To provide fresh air into cargo holds
- C: To prevent water logging
- D: None of the above

8. Choose the right term for length of ship or boat at the level where it sits on water:

- A: Forward perpendicular
- B: Length on waterline
- C: Sheer
- D: Camber

9. Why is ballasting important?

- A: To adjust and distribute weight of vessel to keep ship afloat
- B: To create space for cargo
- C: Both of the above
- D: None of the above

10. What is the left side of the ship called?

- A: Port
- B: Starboard
- C: Stern
- D: Left side

Section B

Five Questions of 02 Marks each

11. Mention the relationship between IMO and United Nations.

12. What is jetty and its purpose?
13. According to ship organizational structure, who takes command of ship when Master is incapacitated?
14. Name the Gulfs, Straits, and Seas in Indian Ocean.
15. What is the purpose of time zones?

Section C

Seven Questions of 10 Marks each of which any 05 questions to be answered.

16. A) What is the full form of DGS? (2 marks)
B) Name any 6 duties/ responsibilities of DGS (8 marks)
17. A) What is the role of Master onboard a vessel? (3 marks)
B) What are the roles of deck department, engine department, onboard a vessel? (7 marks)
18. A) Name the different modes of transport (3 marks)
B) Name de-merits of each mode of transport (7 marks)
19. A) Differentiate between shipyard and scrapyard (5 marks)
B) Explain how ships are scrapped (5 marks)
20. Explain the importance of Panama & Suez Canals in sea transportation.
21. Define and briefly mention the purpose of:
A) Harbour (2 marks)
B) Berth (2 marks)
C) Ballasting (2 marks)
D) SBM (2 marks)
E) Rudder (2 marks)
22. Name any five types of ships and mention what cargo they carry.

