

## ACADEMIC YEAR 2023 – 2024

Program	Year	Semester	Paper
ME	2	2	MAIN 1

MODULE NAME:	TECHNICAL WRITING
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MODULE CODE:	MENG-III	EXAM DATE:	20/05/2024
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TEACHER'S NAME:	MARTIN	DURATION:	2 hrs.
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Questions to be answered on:	Allowed requirements	Number of pages
Space provided on the question paper	Pen	10

### Points of Attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Write very clearly! Answers that are not readable are not marked and don't get points!
- Make sure your answers are written to the point.
- All answers should be written **in English**.
- Write all the answers **in blue or black pen only**.
- When finished, submit the question paper to the invigilator together with the answer scripts and the signed cover page.
- Any cheating/copying may result in an instant failing of the examination.

### FINAL MARKS

STUDENT NAME:	
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STUDENT ID:	
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	45
	10

Number of answer scripts: .....

Invigilator: .....

Student's signature: .....

Time of receipt: .....

## READING

[21 Marks]

Read the text and answer the questions that follow.

### Text 1: Cultural Diversity

Working on ships requires people from many different countries to work together. Ships have multicultural crews, where everyone comes from a different place and has their own customs, traditions, and languages. Diversity is important because it ensures the efficient functioning of the ship.

Crew members often communicate with colleagues using different communication styles on ships, and understanding different ways to communicate helps to foster a professional working environment. Also, understanding and respecting these differences is crucial to creating professional and harmonious working conditions. Accepting differences is not enough; understanding and appreciating varying perspectives are needed for efficient maritime operations.

Cultural diversity can make teams stronger when approached practically. Seafarers should learn about these differences and recognise the unique strengths that each cultural background provides. This approach to cultural diversity goes beyond a basic acknowledgement to develop a workplace where people can collaborate well and solve problems.

Beyond work matters, cultural diversity in maritime operations is considered a valuable asset. Crew members represent diverse cultures, creating an opportunity for learning to happen more easily, not just from books. Interactions between seafarers are chances to explore and value global views, contributing to an interesting and dynamic maritime community.

Collaboration is more than just necessary; it is very important for the industry's success. Understanding that cultural diversity aids problem-solving, creativity, and overall performance and is an important strategic goal for maritime professionals operating in international waters.

As maritime students prepare for their careers, they are gaining global navigation skills and getting ready to navigate the complex aspects of cultural diversity that define the global shipping industry (OpenAI, 2024).

**Question 1. Circle the letter that answers the question correctly or completes the statement.**

**(7 marks)**

1. What is one reason cultural diversity is important for the maritime industry, according to the passage?
  - a) It makes the industry more profitable.
  - b) It helps ships function more efficiently.
  - c) It makes crew members happier.
  - d) It reduces communication issues.
2. What is important for fostering a professional working environment on ships?
  - a) having colleagues from many cultures
  - b) understanding different communication styles
  - c) respecting all traditions and customs
  - d) appreciating global perspectives
3. How does the passage say cultural diversity should be approached?
  - a) practically
  - b) idealistically
  - c) superficially
  - d) negatively
4. What is one benefit of cultural diversity mentioned in the passage?
  - a) It reduces costs.
  - b) It increases tolerance.
  - c) It contributes to knowing more languages.
  - d) It makes learning easier.
5. What does the passage say about understanding different cultures?
  - a) It aids in problem-solving, creativity, and overall performance
  - b) They should be avoided if possible.
  - c) They often cause misunderstandings when in international waters.
  - d) They slow down work efficiency.
6. According to the passage, what is cultural diversity for international maritime professionals?
  - a) a barrier
  - b) a learning experience
  - c) a necessary evil
  - d) a strategic goal

7. According to the passage, what skills are maritime students preparing for?

- a) cooking meals from different cultures
- b) appreciating global perspectives
- c) navigating ships internationally
- d) understanding diverse communication styles

## **Text 2: Comparison of VHF Models in the Maritime Industry**

### **VHF Radio Model 1:**

Experience seamless communication with our cutting-edge VHF radio, crafted by the renowned manufacturer Maritime Tech. The MT-5000 is a reliable and compact model operating on the 156-174 MHz frequency band. A powerful 25-watt transmit power ensures clear communication within a range of up to 20 nautical miles. The MT-5000 features a high-gain whip antenna for enhanced signal reception. Powered by a 12V DC supply, this lightweight radio weighs only 2.5 kg, making it an ideal choice for maritime professionals. All these advanced features come at an affordable price of \$299.

### **VHF Radio Model 2:**

Elevate your communication standards with the VHF-XR75 from Ocean Com. This model operates on the 155-163 MHz frequency band, offering a robust 30 watts of transmit power. The XR75 guarantees reliable communication within a 15-nautical mile range. Equipped with a flexible helical antenna, it ensures optimal signal strength. The radio is designed to operate on a 24V DC power supply. Despite its powerful performance, the XR75 is impressively lightweight, tipping the scales at just 2 kg. Invest in top-notch communication for \$349.

### **VHF Radio Model 3:**

Sail confidently using the SeaLink-2000, a VHF radio designed by Nautical Dynamics. This model operates on the 160-170 MHz frequency band, delivering a transmit power of 20 watts. Enjoy communication coverage up to 18 nautical miles with the SeaLink-2000. Its integrated fibreglass antenna enhances signal reception. Powered by a 12V DC supply, this radio strikes a balance between power and portability, weighing in at 2.2 kg. Elevate your communication game for \$279 with the SeaLink-2000 (Openai.com, 2024a).

**Question 1. Read about the different VHF radio models and complete the summary below with the correct information. (10 marks)**

VHF radios are essential equipment for seafarers working in the maritime industry. The ship's owner must purchase the correct model for the type of work the vessel will be involved in, whether it is a tanker, RoRo, or VLCC.

Take, for example, the Sealink, which has a range of up to (1) \_\_\_\_\_ NM and weighs only 2.2 kgs, which makes it easy to carry around. The main problem is that it has only got a power output of (2) \_\_\_\_\_ watts, making it not as powerful as the other models. The other interesting feature is that the antenna is made of (3) \_\_\_\_\_, and the price is in the middle of the range, costing only (4) \_\_\_\_\_.

Another is the model made by Ocean Com. The model type is (5) \_\_\_\_\_, and it has a frequency band of (6) \_\_\_\_\_ MHz. Apart from the power supply and the weight, which is (7) \_\_\_\_\_ kg, it is the most expensive costing (8) \_\_\_\_\_.

Finally, the MT 5000 has a power output of (9) \_\_\_\_\_ watts and an operating range of (10) \_\_\_\_\_ NM, and the price is middle of the range, which makes it possible the better option to buy.

**Question 2. Write which model you would choose if you had to buy one for the ship. Write four reasons for your choice. (4 marks)**

**Rubric**

reason	The reasons stated are logical and supported with evidence (2 marks).
grammar	The sentences are grammatically correct (2 marks).

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## Writing

[24 Marks]

**Question 1. Paraphrase the following sentences.**

**(12 marks)**

### Rubric

Meaning	The sentences accurately convey the information from the original (1 mark).
grammar	The sentences are grammatically correct (1 mark).
vocabulary	The words used are appropriate for B1/B2 level learners (1 mark).

1. The maritime engineering students are studying vessels.

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2. They will visit the port area next week.

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3. The students will learn about ship designs, and they will study different boat-building materials.

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4. The class visited the shipyard to see large ships under construction, and they also toured the engineering facilities.

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## Email Rubric

Criteria	4 Points	3 Points	2 Points	1 Point	0 Points
<b>Task Achievement &amp; Organisation</b>	The email effectively addresses all aspects of the task.	The email addresses most aspects of the task but may lack clarity or specificity in some areas.	The email partially addresses the task but is lacking in some key respects.	The email briefly touches on the task's requirements and lacks clarity or organisation.	The task was not attempted or was below the standard of acceptability.
<b>Grammar and Spelling</b>	The email demonstrates excellent command of grammar and spelling throughout.	The email contains a few minor grammatical or spelling errors that do not impede understanding.	The email has several noticeable grammatical and spelling errors but remains comprehensible.	The email contains frequent and significant grammatical and spelling errors that hinder comprehension.	The task was not attempted or was below the standard of acceptability.
<b>Tone and Formality</b>	The email maintains a consistently professional and objective tone, adhering to appropriate formal language for this context.	The email maintains professionalism and objectivity but occasionally lapses in tone or formality.	The email sometimes lacks professionalism or objectivity, with notable lapses in tone and formality.	The email often lacks professionalism and objectivity, with significant lapses in tone and formality.	The task was not attempted or was below the standard of acceptability.

## References:

OpenAI. (2024). ChatGPT. [online] Available at: <https://chat.openai.com/c/9612785b-f03c-409f-8bbf-34fe91ca1eb9> [Accessed 29 Jan. 2024].

OpenAI. (2024a). ChatGPT. [online] Available at: <https://chat.openai.com/c/dfef51af-70af-47d4-bb62-a9658878ecfe> [Accessed 18 Feb. 2024].

**MLO & Bloom's Level of Complexity**

Q #	MLO Addressed	Complexity Level	Mark	Remark
<b>Reading Section Text 1</b>				
1.	<b>2, 3 &amp; 6</b>	understanding & analysis	7	
<b>Reading Section Text 2</b>				
1.	<b>3, 4 &amp; 6</b>	apply, analyse & evaluate	10	
2.	<b>4 &amp; 6</b>	evaluate & create	4	
<b>Writing Section</b>				
1.	<b>4 &amp; 6</b>	understanding, applying	12	
2.	<b>2, 4 &amp; 6</b>	apply, analyse & evaluate	12	