

ACADEMIC YEAR 2023 – 2024

Program	Year	Semester	Paper
DO	1	1	Midterm 1

MODULE NAME:	<b>Deck watch &amp; collision regulations 1</b>
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MODULE CODE:	<b>DWATCH-I</b>	EXAM DATE:	--/11/2023
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TEACHER'S NAME:	<b>Dr Capt. Tugsan</b>	DURATION:	<b>75 Min</b>
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Questions to be answered on:	Allowed requirements	Number of pages
Space provided on the question paper	Pen	(Incl. Cover Page): 7

**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 do not 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 (NO PENCIL)**.
- Answer written in **PENCIL** will not be marked.
- Use the **pencil** only for **diagrams & graphs & drawings**.
- Show all the calculation steps in the given space.
- When finished submit the question paper, together with the answer scripts and the signed cover page to the invigilator.
- Any cheating/copying may result in an instant failing of the examination.

**FINAL MARKS**

STUDENT NAME:		<b>40</b>
STUDENT ID:		<b>10</b>

Number of answer scripts: .....

Invigilator: .....

Student's signature: .....

Time of receipt: .....

## Declaration of Academic Integrity International Maritime College Oman

Please sign to confirm that you have read and accepted the following statements. Your assessment will not be accepted without this signed declaration.

1. I confirm that I have read and fully understood IMCO's policy on Academic Integrity, including practices that may lead to committing plagiarism and which I must avoid.
2. I confirm that in the attached assessment I have not presented or attempted to present anyone else's work as my own, except where I have indicated. I confirm that I understand that doing so would mean I had committed plagiarism.
3. I confirm that I understand that, if I fail to comply with IMCO's policy on Academic Integrity, IMCO will impose penalties which may in the most serious of cases result in termination of my studies at IMCO. **I confirm that I understand that if I am judged guilty of plagiarism, I will receive a score of zero and the other penalties indicated under IMCO's policy on Academic Integrity in the Student's Handbook will apply.**
4. I agree to IMCO submitting my work to *Turn-it-in* or using any other source to verify whether my work contains plagiarised material.

The extent to which I have worked with others is as follows:

**Programme:** ...DO.....

**Module Code:** DWATCH-I

**Module Title: Deck watch & collision regulations 1**

**Name:** .....

**IMCO student ID number:** .....

**Class:** ...DO1.....

**Signature** ..... **Date:** --.11.2022

**See the Student Handbook for IMCO's policy on Academic Integrity and Plagiarism before you sign.**

**I have read, understood, and accept the terms.**

## **ANSWER ALL QUESTIONS**

### **Question 1:**

**(Total 5 Marks)**

With reference to rule number three, select the correct answer:

- a- The term Vessel constrained by her draught, means a vessel which, because of her draught in relation to the available depth and width of navigable water, is severely restricted in her ability to deviate from the course she is following.
- b- The term Vessel constrained by her draught, means a vessel which, because of her draught in relation to the available depth of navigable water, is severely restricted in her ability to deviate from the course she is following.
- c- The term Vessel constrained by her draught, means a power-driven vessel which, because of her draught in relation to the available depth and width of navigable water, is severely restricted in her ability to deviate from the course she is following.

### **Question 2:**

**(5 Marks)**

You are the Officer of Watch (OOW) in the bridge.

Describe what are your duties (5 of them) in the bridge by referring to rule number 5 (Look-out).

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....

### **Question 3:**

**(Total 4 Marks)**

With refer to rule number three- part I, what are the four causes that change a good visibility to a restricted visibility.

- 1.....
- 2.....
- 3.....
- 4.....

**Question 4:****(4 Marks)**

With reference to rule number three, choose the best answer:

- 1-The term “vessel not under command” means a power-driven vessel which through some exceptional circumstances is unable to manoeuvre as required by these rules and is therefore unable to keep out of the way of another vessel.
- 2- The term “vessel not under command” means a vessel which through some exceptional circumstances is unable to manoeuvre as required by these rules and is therefore unable to keep out of the way of another vessel.
- 3- The term “vessel not under command” means a vessel which through nature of her work is unable to manoeuvre as required by these rules and is therefore unable to keep out of the way of another vessel.
- 4- The term “vessel not under command” means a vessel which through some exceptional circumstances is unable to navigate and is therefore unable to keep out of the way of another vessel.

**Question 5:****(2 Marks)**

Choose the correct answer by drawing a circle around it:

- 1- The word “Length” and “Breadth” of a power-driven vessel means her length overall and greatest breadth.
- 2- The word “length” and “Breadth” of a vessel means her Maximum length overall and greatest breadth.
- 3- The word “length” and “Breadth” of a vessel means her length overall and greatest breadth.
- 4- The word “length” and “Breadth” of a vessel underway means her length overall and greatest breadth

**Question 6:****(3 Marks)**

With reference to rule number three, select the correct answer:

- i- The word “under way” means that a container vessel is not at anchor, or made fast to the shore, or aground.
- ii- The word “under way” means that a vessel is not at anchor or made fast to the shore.
- iii- The word “under way” means that a vessel is not made fast to the shore, or aground.
- iv- The word “under way” means that a vessel is not at anchor, or made fast to the shore, or aground.

### Question 7:

(Total 4 Marks)

Rule 7 clearly states that the risk of collision risk "shall be deemed to exist if the compass bearing of an approaching vessel does not appreciably change". This is also known as "constant relative bearing". This is illustrated in the following diagram:

Whilst approaching a chemical carrier, the following bearings were taken at interval of 3 minutes:

- i- at 10:00 hours: Bearing: **140.0** (T) degrees/ Range of target is: **12** nautical miles
- ii- at 10:03 hours: Bearing: **140.5** (T) degrees/ Range of target is: **10** nautical miles
- iii- at 10:06 hours: Bearing: **141.0** (T) degrees/ Range of target is: **8** nautical miles

a- Determine if risk of collision exist? (Yes/ No) (2 marks)

b- Justify your answer by referring to rule Number 7. (2 Reasons) (2 marks)

1.....  
.....

2.....  
.....

### Question 8:

(Total 3 Marks)

You are officer of watch in the bridge and entering to the area heavy shower that restrict your visibility. What are the important factors to be considered for determining a safe speed (rule 6)?  
(Choose the best answer)

- i- The state of visibility, the traffic density, the speed of the vessel, at night the presence of background lights, the draft in relation to the available depth of water.
- ii- The state of visibility, the traffic density, the maneuverability of the vessel, at night the presence of background lights, the draft in relation to the available depth of water.
- iii- The range of visibility, the traffic density, the maneuverability of the vessel, at night the presence of background lights, the draft in relation to the available depth of water.

iv- The state of visibility, the number of sailing vessels, the engine power of the vessel, at night the presence of background lights, the draft in relation to the available depth of water.

**Question 9:** **(Total 3 Marks)**

What is the difference between a vessel “underway” and a vessel “making way” ?

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

**Question 10:** **(Total 7 Marks)**

Fill the blanks with correct terminology:

vessel - power-driven vessel - vessel engaged in fishing - vessel not under command - vessel restricted in her ability to manoeuvre -

1. The term vessel ..... means a vessel which through some exceptional circumstance is unable to manoeuvre as required by these Rules and is therefore unable to keep out of the way of another vessel.
2. The word ..... includes every description of water craft, including non-displacement craft, WIG craft and seaplanes, used or capable of being used as a means of transportation on water. [There is a Canadian modification about this definition.]
3. The term ..... means any vessel under sail provided that propelling machinery, if fitted, is not being used.
4. The term ..... means any vessel propelled by machinery.
5. The term vessel ..... means a vessel which from the nature of her work is restricted in her ability to manoeuvre as required by these Rules and is therefore unable to keep out of the way of another vessel.
6. The term ..... any vessel fishing with nets, lines, trawls or other fishing apparatus which restrict manoeuvrability, but does not include a vessel fishing with trolling lines or other fishing apparatus which do not restrict manoeuvrability.
7. The term vessel ..... means a power-driven vessel that, because of the vessel's draught in relation to the available depth and width of navigable water, is severely restricted in the vessel's ability to deviate from the course the vessel is following.

End of exam.