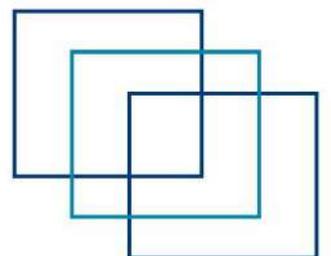




MEO CLASS-1 WRITTEN

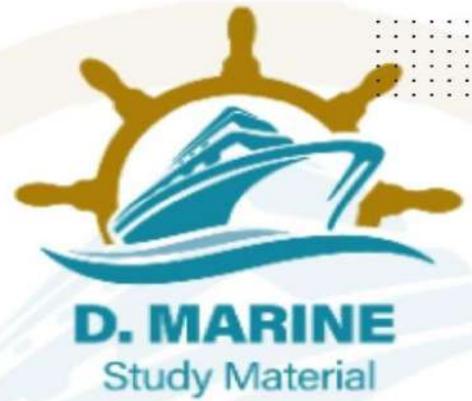
FOR INDIAN COMPETENCY EXAM



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JAN -2026

1. Reducing the speed of main propulsion engines is considered to be the simplest and most practical short-term solution for lowering GHG emissions from ships. What are the drawbacks and dangers of operating main propulsion two stroke marine engines at low speeds for extended periods of time? How can these issues be resolved and the risks associated with low-speed operation reduced?

2026/JAN/01

[Click Here to See the Answer](#)

2. Define Communication. Enumerate and discuss the different types of communications. Discuss the various barriers to effective communication. You are carrying out a Main engine decarbonisation and the work is carried out in two groups, one working on the cylinder head platform and the other group working in the bottom platform. Identify the areas in this operation where there can be a hazard due to failure of communication. Also suggest risk mitigation measures to mitigate this hazard of failure of communication.

2020/MAR/Q5 **2022/JAN/Q5** **2025/SEP/Q6** **2026/JAN/Q2**

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3. What are the principles of modern salvage law? What is general average? Explain with context to general average (i) Entitlement (ii) Artificial (iii) Adjustment (iv) Contestation.

2021/JUL/Q9 **2022/FEB/Q4** **2024/JUN/Q8** **2026/JAN/Q3**

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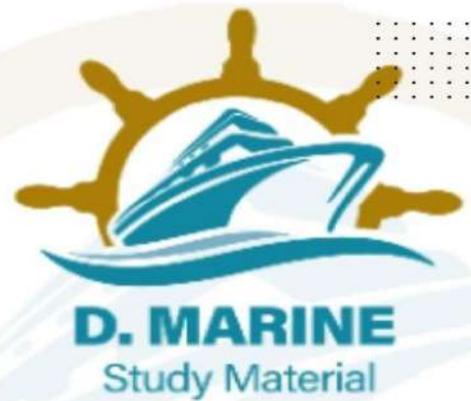
4. A VLCC suffered hull damage following a tank explosion and sank after a few days while undergoing salvage operations in the territorial sea of a coastal state. Discuss ship-owner's protections with reference to (a) marine insurance and (b) liabilities under international conventions.

2026/JAN/Q4

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5. Corrosion is considered to pose a considerable danger to ships hulls, cargo and ballast tanks, discuss the following:

i. Influence of temperature on the corrosion rate of cargo and water ballast tanks.

ii. Causes of coating deterioration in cargo and ballast tanks.

iii. Describe how an assessment of the coating condition helps to be aware of the tank corrosion status. iv. State the information obtained from Coating Technical File.

2026/JAN/Q5

[Click Here to See the Answer](#)

6) Control of disease vectors is necessary for maintenance of health on board ships. What is the Role of the WHO organisation in this regard and which are the national agencies tasked with the maintenance of the ship and the crew in good health? What are the different certificates issued to a vessel for maintenance of the ship in good health? Who can issue these certificates in India and what is the validity and extension options for such certificates?

2025/NOV/Q3 **2025/DEC/Q1** **2026/JAN/Q6**

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7. State the UNCLOS requirements for member States

(a) to register ships flagged with them and

(b) to control safety, pollution and social aspects of ships.

(c) What mechanisms are used in India to comply with these requirements enumerated at (a) and (b) above?

2022/MAR/1 **2026/JAN/Q7**

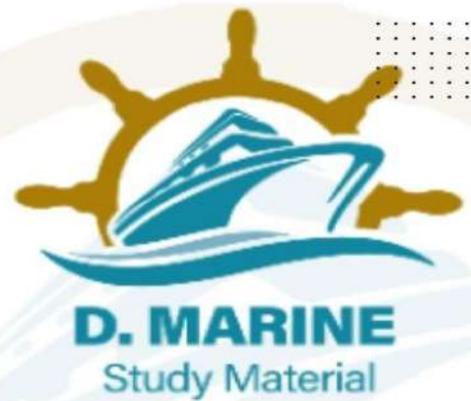
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8a) State the applicable regulation of SOLAS and MARPOL under which it is mandatory for a flag state to conduct an investigation into any casualty.

b) Briefly write the salient points of casualty investigation code and the recommended practices for a safety investigation into a marine casualty or marine incident



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c) What do you understand by the term very serious marine casualty?

2023/JAN/Q7 **2024/AUG/Q3** **2025/JUN/Q7** **2026/JAN /08**

[Click Here to See the Answer](#)

9a) How is Human Element issue addressed in STCW code.

b) Discuss the IMO guidance on fatigue mitigation and management on board ships

2025/AUG/Q4 **2026/JAN/09**

[Click Here to See the Answer](#)

FEB-2026

1.(a) Enumerate the three main principles of LLMC (Limitation of Liability for Maritime Claims) convention 1976 and explain its linkage with two other IMO Liability and compensation Conventions

(b) Discuss what are the different liabilities covered under the LLMC (Limitation of Liability for Maritime Claims) Convention 1976.

(c) Discuss the principles of the International Salvage Convention 1989, as established by the IMO. Furthermore, examine the rationale for extending liability limitation to salvors under the LLMC Convention, and specify the current liability limit applicable to them.

2025/AUG/01 **2026/FEB/01**

[Click Here to See the Answer](#)

2.(a) Discuss the concept of CII (Carbon Intensity Indicator) as adopted in MARPOL and the commercial impact of CII in shipping business.

(b) Discuss shortcomings of the current CII concept being faced by the industry and remedial measures adopted.

2025/AUG/02 **2025/SEP/02**

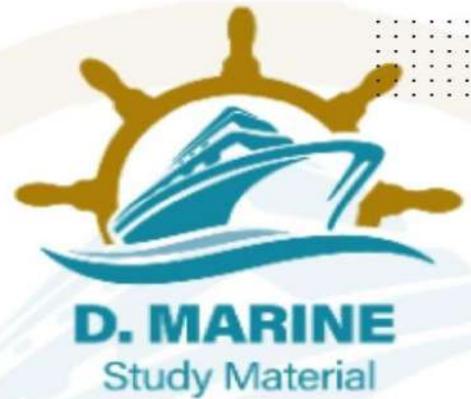
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3. a) Discuss the application of formal safety assessment in carriage of lithium battery in vehicles and containers and in RORO ships.

(b) State various measures to be taken by stakeholders in minimizing the incidents in the above instance.



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2025/AUG/03 **2026/FEB/03**

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- 4.a) How is Human Element issue addressed in STCW code.
b) Discuss the IMO guidance on fatigue mitigation and management on board ships.

2025/AUG/04 **2026/JAN/09** **2026/FEB/04**

[Click Here to See the Answer](#)

5. What do you understand by "Unseaworthy vessels" within the meaning of the Merchant Shipping Act, 1958, as amended? What according to you is the difference between "Unseaworthy ships" & "Unsafe ships". What are the obligations of owners to crew with respect seaworthiness?

2025/AUG/05 **2026/FEB/05**

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- 6.a) "General average is based on certain essential features"-Discuss the statement.
b) A large vessel ran aground. Main engine was used in ahead and astern directions to shake the vessel loose from the ground. Due to excessive load some bearings of the main engine got burnt. Can this damage be included in the general average? Give proper justification to your answer.

2025/AUG/06 **2026/FEB/06**

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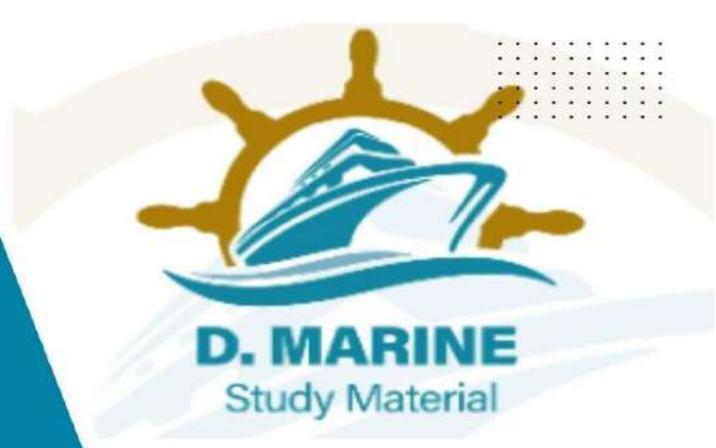
7. Discuss the procedure of entry into force of an IMO Convention after its Adoption? State the provision and its importance towards entry into force of the convention. For a convention of important technical nature state, the general rules/ conditions observed by the states for its entry into force. Explain the terms (1) Accession (ii) Signature subject to Ratification, acceptance or approval.

2025/JUN/02 **2025/AUG/07** **2025/NOV/09** **2026/FEB/07**

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8 Discuss the revised GHG (Green House Gas) strategy of the IMO and amendments being considered under MARPOL Annex VI, including the inclusion of new Chapter-V to achieve the decarbonisation goal and transition to a Net Zero future in shipping.

2025/AUG/08 **2026/FEB/08**

[Click Here to See the Answer](#)

9 (a) As per UNCLOS what are the sovereign rights and jurisdictions applicable to the coastal state and Flag state of the vessel in various maritime zones of the coastal state? Explain your answer with suitable explanations.

(b) A cadet goes missing from the vessel in the Exclusive Economic zone of India which laws will apply and what actions will be taken as per the applicable laws?

2025/AUG/09 **2026/FEB/09**

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