

Indian Maritime University
Question Paper Template (UG)

70 Marks

Pass Marks – 35

Duration – 03 Hours

Date – 20.06.2022

B Tech (ME) - UG11T3201 - SEAMANSHIP, ELEMENTARY NAVIGATION AND SURVIVAL AT SEA

June 2022 End Semester Examinations

Part A – Q.No. 1.MCQs (10 X 01 Mark)

Sr. No	Question	A	B	C	D
(i)	Who is the In-Charge of Engine Cadet	2 nd Eng.	Ch. Eng.	Master	3 rd Eng.
(ii)	Bulk head between Fore peak tank and No. Cargo Hold /Tank is called	Corrugation Bulkhead	Collision Bulkhead	Cofferdam	Divisional Bulkhead
(iii)	Starboard side light is of----- colour	Red	Yellow	Green	White
(iv)	To send the Mooring Rope to the Berth, we have to first send the	Heaving Line	Gant Line	Painter	Messenger Line
(v)	When vessel is in distress, she uses the word	SECURITY	MAY DAY	PAN PAN	DISTRESS
(vi)	As per ISPS code at which Security Level we should stop the work	Level 1	Level 2	Normal Level	Level 3
(vii)	There are totalChapters in SOLAS	12	13	14	15
(Viii)	As per MARPOL annex 1 Oil Record book for Machinery Space is carried by.....	Oil Tanker	Gas carriers	All Ships	Container Carrier
(ix)	Details about individual LSA is given in _____	FSS code	ISPS code	ISGOTT	LSA code

(x)	Instrument used to find out depth of water below the ship is_____	Echo Sounder	Logs	Radar	ECDIS
-----	---	--------------	------	-------	-------

Part B – Q.No. 2 ,Short Questions (05 X 02 Marks)

- (i) List different types of Ropes used on ship
- (ii) Define Time Zone
- (iii) List Pyrotechnics carried in side Life Boat
- (iv) Write Phonetics and Meaning of Alphabet H and B
- (v) Briefly explain the use of Muster list.

Part C (Solve any 5)

3. **(4 + 6 = 10 Marks)**

- a. Draw Ship board organisational structure.
- b. Explain the duties of Chief engineer and Junior engineer

4. Sketch the Layout of the ship and name different Parts, also show the display locations of flags. **(10 Marks)**

5. **(6 + 4 = 10 Marks)**

- a. Explain the care and maintenance of Synthetic wire ropes
- b. Define Sound Signals used while manoeuvring the ship

6. **(7+ 3 = 10 Marks)**

- a. Explain the Principle of Doppler Log with suitable sketch.
- b. Sketch the Mooring arrangement of the ship when at berth

7. List the equipment's carried on-board Life-Boat. **(10 Marks)**

8. **(5 + 5 = 10 Marks)**

- a. List entries made in Oil Record book of a machinery space.
- b. What are the ill effects of cargo on human & environment?

9. **(5 + 5 = 10 Marks)**

- a. What are the duties of crew members and initial action on boarding survival craft?
- b. Explain Emergency Position Indicating Radio Beacon (EPIRB)