pleting your answers, compulsorily draw diagonal cross lines on the remaining blank access	ealing of identification arms of the conduction	coming of recinitionally appeal to evaluately and for equations written extracted $47+8=50$ will be transfed as modern to the standard of the
On comple	Any reveal	ma
Important Note: 1.	2.	

CBCS SCHEME

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18MR641

Sixth Semester B.E. Degree Examination, Dec.2023/Jan.2024 **Advanced Marine Technology**

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions cho

		Note: Answer any FIVE full questions, choosing ONE full question from each m	odule.
1	a.	Explain the basic concepts of Single bull and D. 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
	b.	1 The Consolidation and District International Control of the Cont	(10 Marks)
	O.	Explain with a neat sketch, any one type of piping arrangement system in oil tan	
			(10 Marks)
		OR	
2		The fact by stell in the lank will a near laneled diagram	(15 Marks)
	b.	List the various alarms incorporated in the Inert gas plant	(05 Marks)
			(05 Marks)
3	a.	Describe fully pressurized and fully reference 111	
	b.		(10 Marks)
	0.	What is an E – motor room? Explain its layout with the help of a neat sketch.	(10 Marks)
		OR	
4	a.	What are the functions of reliquification plant?	(0()/ 1)
	b.	Explain with the help of a sketch, cascade direct cycle reliquification plant us	(06 Marks)
		refrigerated cargoes.	
	c.	What is a Cargo Vaporizer? Why is it needed?	(10 Marks)
			(04 Marks)
_	_	Module-3	
5	a. L	What is Cow? What are its advantages and disadvantages?	(10 Marks)
	b.	Why is ESD (Emergency Shut Down) system fitted in gas carriers? When will the	e ESD be
		activated? Give examples.	(10 Marks)
		OR	,
6	a.	What is Static Electricity in tankers? Explain.	
	b.	Explain "LOT".	(10 Marks)
	C.	Write a note on Ballast tank protection.	(06 Marks)
		Danast turk protection.	(04 Marks)
		Module-4	
7	a.	Write the safe handling practices of Noxious Chemical cargo during loading /	unloading
	,4] 1,44		(15 Marks)
	D.	Write any five characteristics of Chemical tankers.	(05 Marks)
		OP	
8	a.	What is IMDG code? Explain in detail about classification of dangerous goods.	
	b.	Write a note on Tank Washing machine.	(14 Marks)
		Tank Washing machine.	(06 Marks)
		Module-5	
9	a.	What is a Combination bulk carrier? Explain the two types with the help of a detail	led sketch
	1	No. of the control of	(15 Marks)
	b.	Explain Gearless bulk carrier.	(05 Marks)
		OR	
10	a.	Draw the midship section of a double hull bull section of	
_0	b.	Draw the midship section of a double hull bulk carrier and name the parts. Explain about Ro – Ro ships.	(10 Marks)
	٥.	- No strips.	(10 Marks)