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**BNA-041** 

## **B.Sc.** (NAUTICAL SCIENCE)

## Term-End Examination June, 2011

## BNA-041 : NAVIGATIONAL AIDS AND ENVIRONMENTAL PROTECTION

Time	: 3	hours	;	Maximum Marks	: 70
Note	:	(i) (ii) (iii)		stions.	
1.		st ten eir so	data items to be recorded urce.	by a VDR with	10
2.	What precautions are to be taken by O.O.W. 10 before starting the radar?				10
3.		hat f vigati	acilities are provided ion?	by ARPA for	10
	be as	carrie per	navigation equipmer ed on board ships of 50,00 solas' 74 as amendo on 19.	00 G.T. upwards	
4.		ame an	ny two paint failures and v 1.	write short notes	10
			OR		

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marine organisms?

What is the impact of Anti-Fouling paints on the

5. What are the handling (lifting) methods of 10 containers?

## OR

Discuss briefly any five problems associated with Ro-Ro ships.

- 6. What are the objectives of Global Maritime 10 Distress and Safety System (GMDSS). ?
- 7. When pirates threaten the ship and are likely to board the vessel, what preventive measures are required to be taken by master?