



Name :

Roll No. :

Invigilator's Signature :

**CS/BNS/SEM-2/BNS-204/2010
2010**

CARGO WORK AND MARINE COMMUNICATION

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Objective Type Questions)

1. Answer very briefly : 10 × 1 = 10
- i) Differentiate between oil cargoes and chemical.
 - ii) What is the difference between LPG and LNG ?
 - iii) What are the different types of Oil Tankers ?
 - iv) Define Load density.
 - v) Define Stowage Factor.
 - vi) Explain Crain capacity.
 - vii) What is meant by seaworthiness ?
 - viii) Define Dead weight cargo.
 - ix) What is the use of Jackstaff ?
 - x) What is the use of Interco ?

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GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.

3 × 5 = 15

2. What are the various methods of signaling ?
3. Describe care and maintenance of Blocks.
4. How will you go about preparing the Hold for loading general cargo ?
5. What are the advantages of using union purchase ?
6. Describe the types of Lashing material used on board a general cargo ship.
7. Explain the following :
 - i) Safe working load.
 - ii) Breaking stress.
 - iii) Factor of safety.
 - iv) Cargo sweat.
 - v) Ship sweat.



GROUP – C

(Long Answer Type Questions)



Answer Question No. 8 and any *two* from Question Nos. 9 to 11.

3 × 15 = 45

8. Using a three-fold purchase rigged to disadvantage to lift a weight of 9.6 Tonnes, find
- i) the tension in the Hauling Part.
 - ii) the efficiency of the system.
 - iii) the minimum size of Manila rope that can safely be used in the purchase. 15
9. Draw a neat sketch of Common Derick and label the various parts. 15
10. a) What are the precautions would you take before loading a heavy lift cargo ? 7
- b) What cares are to be taken on such cargo while at sea ? 8
11. a) What are the types of hatch covers that used on modern cargo ship ? 5

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b) Write short notes on following :



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- i) Bunting
- ii) Hoist
- iii) Courtesy Flag
- iv) Quarantine signal group from ICS.
- v) Difference between AA and CQ.

