

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)

May/ June 2017 End Semester Examinations
Diploma in Nautical Science- Second Semester
(AY 2012- 2015 batches only)

Cargo Handling, Stowage and Seamanship – II (UD11T2203)

Date : 17.06.2017
Time: 2 Hrs

Maximum Marks: 70
Pass Marks : 28

Section – A
(Cargo Handling and Stowage)

Note: Question No.1 is compulsory. Answer any three questions out of the remaining. All questions carry 10 marks each.

1. The dimension of a tween deck which gave the bale capacity of 780m³ are 13m x 10m x 6m. This space is to be filled 220t of cotton bales (SF 2.34m³/ton & BS 7.5 %) and carpet rolls (4m in length & 0.85m in dia). What is the maximum number of Carpet rolls you can carry?
2. Draw a flammability diagram and explain what is LFL and UFL
3. Write short notes on :- (4 x 2.5 =10)
 - a) Ship sweat
 - b) Cargo sweat
 - c) Breaking stress
 - d) Proof load
4. Define: (4+3+3)
 - i) Angle of repose
 - ii) Flow moisture point
 - iii) Transportable Moisture Limit
5. a) List the precautions to be taken while handling IMDG cargo (5)
 - b) With respect to IMDG cargo explain the following terms: (2+2+1)
 - i) Away From
 - ii) Separated from
 - iii) Separated by a complete compartment

Section -B

(Seamanship)

Note: Question No.6 is compulsory. Answer any 2 questions from the remaining. All questions carry 10 marks each.

6. Give a brief description of 1) Hot work permit 2) Enclosed space entry permit (5+5)
7. Describe the importance of personnel health and hygiene on board Ship.
8. What is static electricity? How is it generated and what precautions needs to be taken to avoid dangers of static electricity.
9. Explain safety precaution while anchoring operation is in progress.
