

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)

Ship Operations (UD11T2205)

Date : 20.06.2017

Maximum Marks: 70

Time: 2 Hrs

Pass Marks : 28

Question paper consists of two sections. Answer any 4 questions from Section A and any three from Section B

Section – A

- 1) (a) State the conditions under which oily mixture from the machinery space bilges may be discharged in to sea outside special area. (5 marks)
- (b) List the various annexes to the MARPOL Convention (5 marks)
- 2) Write short notes on the following: (4 x 2.5 marks = 10 marks)
 - a. Oil Record Book Part - I
 - b. Garbage Management Plan
 - c. Muster List
 - d. Port State Control
- 3) Write down 5 major machineries in the Engine room & state their functions in brief. (10 marks)
- 4) a. Draw a neat sketch of a globe valve and label the parts (5 marks)
b. List down safety precautions while working with pneumatic system. (5 marks)
- 5) With a neat sketch explain the function of a four ram hydraulic steering gear. (10 marks)

Section – B

- 6) Draw and state the meaning of the following alphabet flags:
(5 x 2 marks = 10 marks)
"B", "H", "G", "Q", "Z"
- 7) a. What are the various sea areas as per GMDSS? List equipment required to be fitted on board for each areas (5 marks)
b. Prepare a distress message to be transmitted on Radio telephony (5 marks)
- 8) Write short note on the following: (2 x 5 marks = 10 marks)
a. Role of Agent in Shipping
b. Indentures of Cadets
- 9) Discuss the relations between ship-owner, stevedore, charterer, shipper and broker. In the discussion mention the role of a Bill of Lading. (10 marks)
