

INDIAN MARITIME UNIVERSITY
B.Sc. (Nautical Science)-Semester VI
Marine Environmental Protection-II
Subject Code-T2608

Time: 3 hrs.

Max. Marks : 70

Pass Marks: 35

- 1) Define following as per various Annex of MARPOL.
a) Sewage b) Garbage c) Reception facilities (10)
- 2) Describe various equipments / system to be installed onboard with reference to regulations for the prevention of pollution by sewage from ships. Also write down the name of the certificate to be carried onboard and name of the periodical surveys to be conducted. (10)
3. Write down the three basic elements of “Garbage Management” onboard ship. What are the disposal criteria for various category of annex V materials and Into different areas. (10)
- 4.Explain the informations contained in “Bunker Delivery Note” as per Annex VI of MARPOL.
What is term statutory-sample for bunker and how it is collected? (10)
5. Explain the various exchange standards and exchange systems for Ballast water management system as given by IMO Resolutions to be practiced onboard ship. (10)
6. Define Fouling on the ships under water hull area. Explain the impact of anti fouling paints having tri –butyl-tin on non – target marine organism and the convention of anti fouling system for ships. (10)
7. How will you operate an Incinerator? Write down the precautions to be observed while operating it and where the record of operation to be logged down? (10)
8. Describe “CLC” and “Fund Convention” as the two tier mechanism to cover up the liability against oil pollution damages. (10)
9. Write short notes on the following: (10)
 - a) Content of Garbage record book
 - b) Content of IAPP Certificate
