

Centre for Aerospace & Defence Laws (CADL)
DIRECTORATE OF DISTANCE EDUCATION
NALSAR UNIVERSITY OF LAW, HYDERABAD

M.A. (Maritime Laws)

Academic Year: 2022-2023

Third Semester - End Semester Examination (January, 2023)

**Paper I – 2.3.7. Port Operations and Coastal Zone
Management**

Duration of the Examination: 2 ½ hours

Total Marks : 70 marks

INSTRUCTIONS TO CANDIDATES

- a) Read the instructions carefully and adhere to the same.
 - b) Please mention your DDE ID No. date of the exam, name of the programme & subject on the Answer Sheet and the Additional Answer Sheets, if any.
 - c) The questions to be interpreted as given and no clarification can be sought from the Invigilator.
 - d) Clearly indicate the question numbers while answering them. Answers without question numbers / wrong question numbers will not be evaluated.
 - e) Write the answers clearly and neatly. Answers in illegible handwriting will not be taken into consideration.
 - f) Candidates are prohibited to carry phones or any other electronic devices, books, material etc. in the Examination Hall.
 - g) Copying is strictly prohibited and is considered as a serious academic misconduct and the University will take action as it deems fit.
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Section – A

Answer FIVE questions out of SEVEN questions and each question carries 10 marks. (5 x 10 marks = 50 marks)

1. “Seaports are areas where there are facilities for berthing or anchoring ships and where there is the equipment for the transfer of goods from ship to shore or ship to ship.” In the light of the above statement, discuss the importance of Ports along with its functions.

2. *Port means an area within which ships are loaded with and/or discharged of cargo and includes the usual places where ships wait for their turn or are ordered or obliged to wait for their turn no matter the distance from that area. Explain the different types of Ports based on function and geographical type.*
3. *"A large portion of the world's population has always inhabited coastal areas. Fertile coastal lowlands, abundant marine resources, water transportation, aesthetic beauty, and intrinsic values have long motivated coastal habitation. The coastal zone includes both the area of land subject to marine influence and the area of subject to land influence". Discuss the importance of Coastal Zones. What are the major issues for the coastal zones.*
4. Discuss the Role of Environmental Impact Assessment in Integrated Coastal Zone Management.
5. *"The coastal zone represents varied and highly productive ecosystems such as mangroves, coral reefs, sea grasses and sand dunes. These ecosystems are under pressure on account of increased anthropogenic activity on the coast, as a result of globalisation. It is necessary to protect these coastal ecosystems to ensure sustainable development. This requires information on habitats, landforms, coastal processes, water quality, natural hazards on a repetitive basis. In India, remote sensing data, especially Indian Remote Sensing (IRS) data, having moderate (23-36 m) to high spatial resolution (6 m), have been used to generate database on various components of coastal environment of the entire country. However, the moderate resolution data provide macro-level information on 1:250,000 and 1:50,000 scale about the condition of habitats, type of landforms and areas under erosion and deposition. The major advantage of remote sensing data is monitoring of change periodically". Discuss briefly the role of Remote Sensing in CZM with special reference to India.*
6. *"Several disciplines have focused recently part of their attention on the coastal zone. Still the concept of coastal zone remains a rather fluid notion. Perhaps a geographical delimitation might contribute to better define the problems to be handled. Yet the multi and interdisciplinarity of the studies get diluted in the process. The Geographical Information System (GIS) can significantly contribute to better use of data and insure proper data input, eliminating also overlapping information gathering. It will prove invaluable in mapping and its application covers all domains of geographic, geologic and oceanographic endeavour. Its use can perfect coastal zone study methodology. New technology makes GIS more affordable, yet, its use is, to put it mildly, still quite "timid". In view of above statement, Analyse the GIS applications in CZM with suitable examples.*
7. Explain the significance of port development and port connectivity for India. Also discuss the issues and challenges in India's port connectivity.

Section – B

Answer FOUR questions out of SIX questions and each question carries 05 marks. (4 x 5 marks = 20 marks)

- A.** Safe Port and Safe Berth
- B.** Factors constraining Port Development
- C.** Coastal Regulation Zone (CRZ) Notification 2018
- D.** Swaminathan Committee report, 2005
- E.** Role of local governments in ICZM
- F.** Public-Private Partnerships in Indian Port Sector