

B.Tech. SEM -VI (Civil) 2014 Course (CBCS) : WINTER - 2018

SUBJECT: ELECTIVE –I DOCKS, PORTS AND HARBOURS

Day: Saturday
Date: 17/11/2018

W-2018-2456

Time: 10.00 AM TO 01.00 PM
Max Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

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- Q.1 a)** Discuss the development of port (05)
b) Explain the port development with Indian Scenario. (05)

OR

- Q.1 a)** What is the difference between a harbour and a port? (05)
b) Explain ship construction technology along with international trade. (05)

- Q.2 a)** Explain propagation and form of wave in coastal zone. (05)
b) What is difference between waves and tides? Explain two types of waves (05)

OR

- Q.2 a)** What is a wharf in relation to harbours? (05)
b) What is the global tide phenomenon? (05)

- Q.3 a)** What is the difference between Dry docks, slipway and locks? (05)
b) Define: (05)
i) Approach channel ii) Marker Buoys
iii) Berth iv) Jetties

OR

- Q.3 a)** Explain loading unloading concept in the ports. (05)
b) Explain maintenance facilities in parts and harbours. (05)

- Q.4 a)** Explain in break waters functions types and general design aspects. (05)
b) Define: (05)
i) Quays ii) jetties iii) Pier iv) Pier heads
v) Dolphin

OR

- Q.4 a)** What is break water? Explain its function. (05)
b) Define: (05)
i) Wharves ii) quays iii) fenders iv) Mooring accessories

- Q.5 a)** Explain mooring accessories with its function and types (05)
b) Discuss role of port development. (05)

OR

- Q.5 a)** Explain lifting and loading unloading (RORO) facilities. (05)
b) Discuss modernization of port.? (05)

- Q.6 a)** Explain marine pollution. (05)
b) Explain role of port development. (05)

OR

- Q.6 a)** Explain port cost analysis in port planning (05)
b) Explain environmental aspects in port development. (05)

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