

**B.TECH. SEM -VI (CIVIL) 2014 COURSE (CBCS) : SUMMER -
2018**

SUBJECT : ELECTIVE – I : DOCKS, PORTS AND HARBOURS

Day : **Monday**

S-2018-2401

Time : **02.30 PM TO 05.30 PM**

Date : **11/06/2018**

Max. Marks : **60**

N. B. ;

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

- Q. 1** a) Describe Development of port. (05)
b) Write a note on Ship construction technology along with international trade Port and Harbour. (05)

OR

- a) Write a short note on History of port. (05)
b) Give the classification of ports and explain Bombay ports. (05)

- Q. 2** a) Explain the terms : (10)
i) Range of tide ii) Littoral drift iii) High water
iv) Mean sea level v) Spring tide

OR

- a) Explain coastal sediment transportation. (06)
b) Explain forms of wave in coastal zone. (04)

- Q. 3** a) Explain the terms : (10)
i) Slipway ii) Dry docks iii) Locks gate
iv) Approach channel v) Jetties

OR

- a) What are the requirements of a good Harbour? (05)
b) Define a Harbour and explain its necessity. (05)

- Q. 4** a) What are the different types of break water? Explain any one. (05)
b) Write a note on mooring accessories with its function. (05)

OR

- a) Explain the terms : (10)
i) Wharves ii) quays iii) Fenders
iv) Pier head v) Dolphin

- Q. 5** Define 'Dredging'. Explain the reasons for its adoption. How is the dredged material disposed? (10)

OR

- a) Write note on lifting and loading unloading (RORO) facilities. (05)
b) Write a note on role of port development in public and private sector. (05)

- Q. 6** a) Explain the term Marine Pollution in port development. (05)
b) Write a note on role of port development in public and private sector. (05)

OR

- a) Explain the term Environmental aspects in port development. (05)
b) Write a note on national policy in role of port development. (05)

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