

BE Semester- ____ (Branch Name) Question Bank

(Subject Name)

All questions carry equal marks(10 marks)

Q.1	What is necessity of dredging? Classify different types of dredgers.
Q.2	What is the significance of water transportation compare to other modes of transportation? Explain in detail.
Q.3	Give advantages and disadvantages of water transportation.
Q.4	Draw the schematic diagram of harbour layout showing all components and explain any two components.
Q.5	Give classifications of harbours based on protection needed and utility.
Q.6	What are the requirements of a good harbour?
Q.7	What are the important wind characteristics? Explain the Beaufort scale and its uses.
Q.8	Briefly explain the types of sea waves and its characteristics. How the wave length, period, height and velocity are related?
Q.9	What are the factors to be considered while selecting site for a harbour?
Q.10	Explain the following terms: (ANY 7) a. Keel b. Hatches c. Draft d. Displacement load e. G.R.T f. Plimsoll mark g. D.W.T h. Cargo i. Ballast
Q.11	Explain wave breaking and wave reflection with sketch.
Q.12	Explain how tides are produced? Discuss various tidal datum.

Q.13	What is wind rose diagram? What are its uses?
Q.14	What are the factors determining selection of breakwater? Enlist methods of protection of breakwater.
Q.15	What are the merits and demerits of mound type breakwater? Compare it with vertical wall breakwater.
Q.16	Explain various types of ocean currents. What are the effects of currents?
Q.17	Why fenders are provided on docking platform? Explain the types of fenders.
Q.18	What is need of breakwater? Describe wall type breakwater.
Q.19	Explain the various methods of mound construction.
Q.20	Write short note on: (ANY 2) <ul style="list-style-type: none"> a. Quay walls b. Dolphins c. Trestles
Q.21	Enlist various types of tides. Describe various tidal theories.
Q.22	What is a jetty? What are the different types of jetties?
Q.23	Explain various mooring accessories with neat sketch.
Q.24	What are repair docks? Classify different types of repair docks.
Q.25	What are slipways? Explain the function of its component parts.
Q.26	What is floating dock? Give its advantages and disadvantages.
Q.27	Difference between dry dock and wet dock.
Q.28	What are different types of lock gates? Explain with sketch the mitre gates and rolling lockgates.
Q.29	What is ferry? Describe different types of ferries.
Q.30	What is transit shed? What are its purposes?
Q.31	Write short note on: (ANY 2) <ul style="list-style-type: none"> a. Warehouse b. Apron

	c. Cold storage
Q.32	List various cargo handling equipments and explain any two.
Q.33	Draw sketch of floating buoy.
Q.34	Give the necessity of navigational aids. What are the requirements of signals?
Q.35	Give different types of navigation aids. Discuss the use of buoys.
Q.36	Briefly explain different types of buoys.
Q.37	Discuss the use of electronic devices as navig
Q.38	Explain in detail advantages and disadvantages of air transport.
Q.39	Describe aeroplane components parts drawing sketch.
Q.40	Enlist the factors affecting airport site selection. Explain any three.