

# Model Question Paper-1 with effect from 2019-20 (CBCS Scheme)

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## Fourth Semester B.E. Degree Examination Subject Title Ship Construction

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	Marks
Q.01	a	Draw the Longitudinal and transverse cross section of ship and mark the following : Sheer Forward, Sheer aft, Freeboard, LBP,LOA,LWL, Molded Beam, Draft ,Depth, Camber, Tumble home, Rise of floor, Fwd perpendicular, Aft perpendicular, Amidships .	L1,L2	15
	b	Explain Manual Metal Arc welding	L2	5
OR				
Q.02	a	What are the static and dynamic forces acting on a ship? Explain Hogging, Sagging and Racking with neat diagrams.	L1,L2	12
	b	Define Welding. List the various types of welding	L1	8
Module-2				
Q. 03	a	Draw Longitudinally framed double bottom with the parts clearly marked for solid and bracket floor.	L2	15
	b	Draw and explain the 3 types of keels	L1	5
OR				
Q.04	a	What is a rudder? What are the different types? Draw any one rudder with the parts neatly marked	L2,L3	10
	b	Draw the machinery space double bottom with parts marked.	L2	10
Module-3				
Q. 05	a	What is shell plating? Explain its importance with a classification diagram	L2	8
	b	What is a bulbous bow? Draw a neat longitudinal sectional with the parts neatly marked.	L2	12
OR				
Q. 06	a	What is hatch cover? Explain the different types of hatch covers.	L1,L2	12
	b	Draw a neat labeled sketch of a hatch opening and explain its features.	L2	8
Module-4				
Q. 07	a	Draw a flowchart of the processes in designing and building a ship and explain briefly each process.	L2	15
	b	What is Lofting? Briefly explain.	L2	5
OR				
Q. 08	a	Draw a neatly labeled layout of a ship yard. Showing the process flow	L2, L1	16
	b	What is Surveying? What are the different types of surveys?	L1	4
Module-5				
Q. 09	a	Draw a neat Labeled diagram of the mid-ship section of a bulk carrier.	L2	15
	b	What is a Ro-Ro Vessel what are its features?	L2	5
OR				
Q. 10	a	Draw a neat Labeled diagram of the mid-ship section of a Container vessel?	L2	12
	b	Explain the process of surface preparations and painting a ship's hull.	L3	8

\*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.