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## ***B.Tech. Degree V Semester Regular/Supplementary Examination in Marine Engineering November 2024***

**19-208-0503 MARITIME ECONOMICS AND COMMERCIAL GEOGRAPHY**  
(2019 Scheme)

Time: 3 Hours

Maximum Marks: 60

**Course Outcome**

On successful completion of the course, the students will be able to:

- CO1: Understand basics of economic organization of shipping market and major shipping routes.  
 CO2: Gain knowledge supply and demand and their influence on freight rates.  
 CO3: Understand cost, revenue and the financial performance of shipping.  
 CO4: Explain the economics principles and global patterns of maritime trade.  
 CO5: Understand the economics of ship and ship design, economics of ship building and recycling and maritime forecasting and market research.

Bloom's Taxonomy Levels (BL): L1 – Remember, L2 – Understand, L3 – Apply, L4 – Analyze, L5 – Evaluate, L6 – Create

PI – Programme Indicators

(Answer *ALL* questions)

(5 × 15 = 75)

		Marks	BL	CO	PI
I.	(a) Explain how shipping industry contributes to the economy of the flag state.	8	L2	1	7.1.2
	(b) Discuss the comparative advantages of sea transport with other shore transport systems.	7	L2	1	7.1.2
<b>OR</b>					
II.	(a) Polar code facilitates new shipping routes for Maritime Trade. Elucidate.	8	L1	1	7.1.2
	(b) What is the impact of Polar passage on the work of a marine engineer?	7	L4	1	7.1.2
III.	(a) Explain the factors that favors sea transport by shippers.	8	L5	2	7.1.2
	(b) What are the external factors affecting sea borne trade?	7	L2	2	7.1.2
<b>OR</b>					
IV.	(a) Illustrate freight rate mechanism in shipping.	8	L2	2	7.1.2
	(b) Analyze the factors influencing the freight rate of coastal shipping.	7	L4	2	7.1.2
V.	(a) Enumerate the operating costs of ships.	8	L1	3	7.1.2
	(b) How the port charges are arrived at?	7	L2	3	7.1.2
<b>OR</b>					
VI.	(a) Evaluate freight revenue and ship productivity.	8	L2	3	7.1.2
	(b) Explain the four methods of cashflow analysis.	7	L5	3	7.1.2
VII.	(a) Narrate the economic advantages of bulk shipping.	8	L2	4	7.1.2
	(b) What do you understand by the pattern of trade?	7	L2	4	7.1.2
<b>OR</b>					
VIII.	(a) Sea borne trade is considered to be an economic success. Comment.	8	L5	4	7.1.2
	(b) Discuss the economics of liner shipping.	7	L2	4	7.1.2

(P.T.O.)

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		Marks	BL	CO	PI
IX.	(a) HongKong Convention of IMO deals with Ship regulating. Explain the significance of this, affecting the shipping industry.	8	L5	5	7.1.2
	(b) Also enumerate the economic aspects of HongKong Convention of IMO.	7	L2	5	7.1.2
<b>OR</b>					
X.	(a) Evaluate the importance of Maritime forecasting and market research.	8	L5	5	7.1.2
	(b) Describe the economic considerations for design of crude oil tanker.	7	L2	5	7.1.2

Bloom's Taxonomy Levels

L1 – 10.67%, L2 – 54%, L4 – 9.33%, L5 – 26%.

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