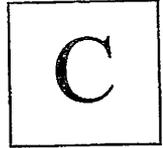


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***B.Tech. Degree VI Semester Regular/Supplementary Examination
in Marine Engineering June 2024***

**19-208-0601 MANAGEMENT SCIENCE
(2019 Scheme)**

Time: 3 Hours

Maximum Marks: 60

Course Outcome

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

- CO1: Understand the evolution of Management concepts, learn definitions of management, levels of management, skills needed, functions of management.
- CO2: Gain knowledge-on production planning and control, product development process, materials management – different terms associated with these topics. – operation research.
- CO3: Understand resource allocation, work study, job evaluation, merit rating, QM process.
- CO4: Explain the different aspects of finance management.- WC, BS, P and L statement, financial ratios.
- CO5: Understand the functions of human resource management–recruitment and selection, tests, motivation theories, performance appraisal, MBO.

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

PI – Programme Indicators

		(Answer <i>ALL</i> questions)	(5 × 15 = 75)			
			Marks	BL	CO	PI
I.	(a)	Explain different levels of management. What are the skills needed for different levels?	8	L1	1	7.2.1
	(b)	Brief centralization and decentralization with its advantages and disadvantages.	7	L2	1	7.2.1
OR						
II.	(a)	Differentiate authority, responsibility and accountability.	8	L1	1	7.2.1
	(b)	What are the ways to develop and improve interpersonal communication skills?	7	L1	1	7.2.1
III.	(a)	Elaborate functions of production planning and control.	10	L2	2	7.1.1
	(b)	What is standardization? What are its advantages?	5	L1	2	7.1.1
OR						
IV.	(a)	Explain different types of plant layout along with their advantages and disadvantages.	10	L2	2	2.4.1
	(b)	What are safety stock and cycle stock?	5	L1	2	12.1.1

(P.T.O.)

BT MRE-VI(R/S)-06-24-3253

		Marks	BL	CO	PI
V.	(a) What is Total Quality Management? Briefly explain its features.	10	L2	3	5.1.2
	(b) Explain decision making under risk.	5	L2	3	4.3.3
OR					
VI.	(a) Explain preventive maintenance, its objective and steps in planning a preventive maintenance programme.	10	L2	3	3.1.4
	(b) What is merit rating? Explain check list method.	5	L1	3	3.1.4
VII.	(a) Explain the elements of a Balance Sheet with help of sample. Explain some of the financial ratios that can be prepared from it.	10	L2	4	11.1.2
	(b) Explain current assets and current liabilities.	5	L2	4	11.1.2
OR					
VIII.	(a) Explain the internal and external source of Working Capital.	10	L1	4	11.1.2
	(b) How is depreciation calculated in diminishing balance method?	5	L2	4	11.1.2
IX.	(a) What is Management By Objectives? Explain the process of practicing MBO.	8	L1	5	9.1.1
	(b) Explain different methods of training.	7	L1	5	6.2.1
OR					
X.	(a) Explain Maslow's theory of hierarchy of needs.	8	L2	5	6.2.1
	(b) What are the common reasons for accidents at work place?	7	L1	5	4.1.4

Blooms's Taxonomy Level

L1 – 47%, L2 – 53%.
