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B.Tech. Degree VI Semester Regular/Supplementary Examination in Marine Engineering June 2023

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 & 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 *ALL* questions)

(5 × 15 = 75)

		Marks	BL	CO	PI
I.	(a) Explain the 14 management principles given by Henri Fayol.	10	L1	1	7.2.1
	(b) Write a short note on SWOT analysis.	5	L2	1	7.2.1
OR					
II.	(a) Briefly explain the objectives of management.	5	L1	1	7.2.1
	(b) What are the basic principles of delegation?	5	L1	1	7.2.1
	(c) What are the different skills needed for management?	5	L1	1	7.2.1
III.	(a) Elaborate different types of production systems with suitable examples.	10	L2	2	7.1.1
	(b) What are the objectives of Production Planning and Control?	5	L1	2	7.1.1
OR					
IV.	(a) Explain PERT and CPM with network diagrams.	10	L2	2	2.4.1
	(b) What is logistics and supply chain management?	5	L1	2	12.1.1
V.	Write short notes on:				
	(a) Inventory control and safety stock.	5	L2	3	5.1.2
	(b) Economic Order Quantity.	5	L2	3	4.3.3
	(c) Job evaluation.	5	L2	3	4.1.3
OR					
VI.	(a) Explain the concept of Total Quality Management – Enlist the features of TQM and barriers for practicing TQM.	10	L2	3	3.1.4
	(b) Write a short note on ISO 9000 series.	5	L1	3	3.1.4

(P.T.O.)

BT MRE-VI(R/S)-06-23-2342

		Marks	BL	CO	PI
VII.	(a) Explain what Balance Sheet and Profit and Loss statements. Show the key differences between them.	10	L2	4	11.1.2
	(b) Explain two Liquidity Ratios.	5	L2	4	11.1.2
OR					
VIII.	(a) What is Working Capital? What are its main sources?	10	L1	4	11.1.2
	(b) What is Depreciation in Finance management?	5	L2	4	11.1.2
IX.	(a) Explain recruitment and selection. Write in brief the steps in selection process. What is the importance of psychological tests?	10	L1	5	9.1.1
	(b) What are the legal requirements in working conditions?	5	L1	5	6.2.1
OR					
X.	(a) What are the main causes of accidents at work places? How it can be controlled?	10	L2	5	6.2.1
	(b) Write a short note on Management By Objectives.	5	L1	5	4.1.4

Bloom's Taxonomy Levels

L1 = 47%, L2 = 53%.
