B.Tech. Degree VI Semester Examination in Marine Engineering May 2017

MRE 1601 MANAGEMENT SCIENCE
(2013 Scheme)

Time: 3 Hours   Maximum Marks: 100

(5 × 20 = 100)

I.	(a)	Explain performance appraisal and motivation.	(10)
	(b)	Explain SWOT analysis with examples and uses.	(10)

OR

II.	(a)	Differentiate between merit rating and job evaluation.	(10)
	(b)	Discuss works study and time study.	(10)

III.	(a)	Explain Balance Sheet, Profit and Loss account.	(10)
	(b)	Describe recruitment and selection of an Engineering Graduate.	(10)

OR

IV.	(a)	What are the advantages and disadvantages of having trade unions in an industry?	(10)
	(b)	With respect to operations, explain products and services.	(10)

V.	(a)	A factory produces two products A and B, the standard productions being 30 numbers and 15 numbers per hour respectively. Wage rate per hour is ₹20/-. What is the earning of a worker who produces 210 of A and 120 of B in a week under "piece rate work plan" with a basic minimum monthly salary of ₹1000/-.	(10)
	(b)	Describe the process of planning in an organization.	(10)

OR

VI.	(a)	Discuss various types of communication in an organization highlighting advantages and disadvantages.	(10)
	(b)	Explain inventory control. How is it useful in an industry?	(10)

VII.	(a)	Illustrate PERT and CPM with net work diagrams.	(10)
	(b)	Write notes on:	(10)
		(i) Management By Objectives (MBO).	
		(ii) Break Even Analysis.	

OR

VIII.	(a)	What are the factors affecting safety? How is it important in an industry?	(10)
	(b)	Write explanatory notes on:	(10)
		(i) Psychological tests.	
		(ii) Quality control.	
		(iii) ISO 9000.	

IX.	(a)	What is working capital? How is its requirement determined and how is it controlled?	(10)
	(b)	Write short notes on:	(10)
		(i) Preventive maintenance.	
		(ii) Breakdown maintenance.	

OR

X.	(a)	What is depreciation? Explain various methods of calculating depreciation.	(10)
	(b)	Define accident. Discuss the issues related to an accident in an industry.	(10)

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