SIDDHARTH INSTITUTE OF ENGINEERING &TECHNOLOGY: PUTTUR
(AUTONOMOUS)
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QUESTION BANK (DESCRIPTIVE)

Subject with Code: Management Science (18HS0813) **Course & Branch**: B.Tech – EEE

Year & Sem: III-B. Tech & II-Sem **Regulation:** R18

UNIT –I
INTRODUCTION MANAGEMENT

1	1	What are the functions of management?	[L1] [CO1]	**[2M]**
	2	What are the levels of management?	[L1] [CO1]	**[2M]**
	3	What are principles of scientific management?	[L1] [CO1]	**[2M]**
	4	List any four types of organizational structures?	[L1] [CO1]	**[2M]**
	5	What is corporate social responsibility?	[L1] [CO1]	**[2M]**
	6	What is centralization of authority?	[L1] [CO1]	**[2M]**
2.		Define and explain in the management and its various functions.	[L6] [CO1]	**[12M]**
3.		Mention the elements of Scientific Management outlined by Taylor 's scientific theory	[L6] [CO1]	**[12M]**
4.		Explain the principles of Management as outlined by Henry Fayol's.	[L5] [CO1]	**[12M]**
5.		Give a brief account of the developments in management thought during Human Relations period.	[L1] [CO1]	**[12M]**
6.		What do you mean by Departmentation? Evaluate any three methods of Departmentation.	[L5] [CO1]	**[12M]**
7.	a)	Briefly explain the Weber 's Ideal Bureaucracy.	[L5] [CO1]	**[6M]**
	b)	Examine the Span of control.	[L5] [CO1]	**[6M]**
8.		What are the various types of organization structures? Explain with them merits and demerits.	[L5] [CO1]	**[12M]**
9.		Examine line & staff organization structure. What are its Merits and Demerits?	[L5] [CO1]	**[12M]**
10.		Discuss the process of Organizing. Explain the principles to be observed while creating an organisation structure	[L6] [CO1]	**[12M]**
11.		Define Management. Describe nature and importance of Management	[L2] [CO1]	**[12M]**

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UNIT –II
OPERATIONS MANAGEMENT

1	1 2 3 4 5 6	What are the types of plant layouts? What are the major methods of production? Define work study? What are four P's of marketing? What are the stages of product life cycle? Explain about EOQ?	[L2] [CO2] [L2] [CO2] [L2] [CO2] [L2] [CO2] [L2] [CO2] [L2] [CO2]	**[2M]** **[2M]** **[2M]** **[2M]** **[2M]** **[2M]**
2.		Discuss and Explain the various types plant layout with suitable examples?	[L6] [CO2]	**[12M]**
3.		Make a comparative analysis of the features of Different methods of production.	[L4] [CO2]	**[12M]**
4.		Explain the concept of work study and its types	[L5] [CO2]	**[12M]**
5.		Illustrate the objectives of Purchasing Function and its Purchasing Procedure.	[L2] [CO2]	**[12M]**
6.		Elaborate the ABC analysis and derive algebraic model of EOQ	[L6] [CO2]	**[12M]**
7.	a)	Explain the functions of marketing.	[L2] [CO2]	**[6M]**
8.	b)	Define the term "work study" and state its objectives.	[L1] [CO2]	**[6M]**
9.		Explain the stages in Product Life Cycle with the help of diagram.	[L6] [CO2]	**[12M]**
10.		What is distribution? Explain the process of channels of distribution.	[L2] [CO2]	**[12M]**
11.	a) b)	Write short notes on: Marketing mix. Types of advertising.	[L1] [CO2]	**[6M+6M]**

UNIT –III
HUMAN RESOURCE MANAGEMENT

1	1	Define personnel management?	[L5] [CO3]	**[2M]**
	2	What are the on-the job training methods?	[L5] [CO3]	**[2M]**
	3	What is performance appraisal?	[L5] [CO3]	**[2M]**
	4	What is the difference between wage and salary?	[L5] [CO3]	**[2M]**
	5	What is job specification?	[L5] [CO3]	**[2M]**
	6	What is grievance handling?	[L5] [CO3]	**[2M]**
2.		Define HRM. Explain and its functions.	[L5] [CO3]	**[12M]**
3.		Explain and evaluate the process of recruitment and employee selection	[L5] [CO3]	**[12M]**
4.		Discuss the various steps in Human Resource Planning Process.	[L6] [CO3]	**[12M]**
5.		Define training? Explain the types of the job training methods.	[L5] [CO3]	**[12M]**
6.		What is Job evaluation? Explain various methods of Job Evaluation	[L5] [CO3]	**[12M]**
7.		What are the steps involved in setting up grievance redressal machinery?	[L2] [CO3]	**[12M]**
8.		What is a Job? What do you understand job analysis and its process?	[L2] [CO3]	**[12M]**
9.	a)	Discuss the wage and salary administration	[L6] [CO3]	**[6M]**
	b)	Evaluate on-the job training.	[L5] [CO3]	**[6M]**
10.		Briefly Discuss the methods of Performance Appraisal.	[L5] [CO3]	**[12M]**
11.		Write short notes on:	[L1] [CO3]	**[6M+6M]**
	a)	Placement and Employee Induction.		
	b)	Job analysis		

UNIT –IV
STRATEGIC MANAGEMENT

1	1	Define vision?	[L2] [CO4]	**[2M]**
	2	Define Mission?	[L2] [CO4]	**[2M]**
	3	What is SWOT analysis?	[L2] [CO4]	**[2M]**
	4	What is an activity?	[L2] [CO4]	**[2M]**
	5	What is critical path?	[L2] [CO4]	**[2M]**
	6	What is cost-slope?	[L2] [CO4]	**[2M]**
2.		Examine the concept of corporate planning. Discuss the essential steps in corporate planning through a flow chart.	[L4] [CO4]	**[12M]**
3.		Discuss about environmental scanning and explain the process of environmental scanning	[L6] [CO4]	**[12M]**
4.	a)	How do you formulate and implement a strategy? Explain.	[L4] [CO4]	**[6M]**
	b)	Elaborate the environmental analysis with suitable examples.	[L6] [CO4]	**[6M]**
5.		Explain SWOT analysis and its components by taking an industry example.	[L4] [CO4]	**[12M]**
6.		Identify and discuss the stages in the process of strategy formulation and Implementation.	[L4] [CO4]	**[12M]**
7.	a)	Differentiate between PERT and CPM.	[L2] [CO4]	**[6M]**
	b)	Define PERT and importance in Network analysis	[L1] [CO4]	**[6M]**
8.		Explain and illustrate what you understand by network analysis. How would you compare PERT with CPM?	[L4] [CO4]	**[12M]**
9.	a)	Illustrate the elements of Corporate Planning Process.	[L3] [CO4]	**[6M]**
	b)	Explain the nature of Project cost and its types.	[L4] [CO4]	**[6M]**
10.		A small engineering project consists of six activities. The three times estimates in number days for each activity are given below.	[L3] [CO4]	**[12M]**

Activity	1-2	2-3	3-5	5-6	1-4	4-5
t_o	2	1	0	7	3	2
t_m	5	1	6	7	3	8
t_p	8	1	18	7	3	14

Find out:

1. Calculate the values of expected time (t_e), and S.D variance (v_i) of each activity

2. Draw the network diagram and market on each activity

3. Calculate EST and LFT and mark them on the network diagram

4. Calculate total slack for each activity

5. Identify the critical path and mark on the network diagram

6. Probability of completing project in 25 days.

11.	a)	Identify the critical path for the following network.	[L3] [CO4]	**[4M]**
	b)	For the Particulars of given data work out the minimum duration of the project and corresponding cost.	[L1] [CO4]	**[8M]**

Activity	Job	Normal time	Crashing time	Normal cost	Crashing cost

			A	1-2	10	6	400	600		
			B	1-3	4	2	100	140		
			C	2-4	6	4	360	440		
			D	3-4	8	4	600	900		
			E	2-5	8	6	840	1100		
			F	4-6	6	2	200	300		
			G	5-6	10	8	1200	1400		

UNIT –V
CONTEMPORARY ISSUES IN MANAGEMENT

1	1	Explain JIT?	[L1]	[CO5]	**[2M]**
	2	Explain about Business Process Outsourcing?	[L1]	[CO5]	**[2M]**
	3	What is six sigma?	[L1]	[CO5]	**[2M]**
	4	What is bench marking?	[L1]	[CO5]	**[2M]**
	5	What is supply-chain management?	[L1]	[CO5]	**[2M]**
	6	What is ERP?	[L1]	[CO5]	**[2M]**
2.		Elaborate the how modern concepts like JIT, MRP, Six Sigma changed the production environment?	[L6]	[CO5]	**[12M]**
3.		'Business Process Reengineering deals with the restructuring the processes associated with the products or services'. Do you agree? Illustrate.	[L4]	[CO5]	**[12M]**
4.	a)	Discuss Management Information System (MIS) and How it works in an organization.	[L6]	[CO5]	**[6M]** **[6M]**
	b)	State the needs for Supply Chain Management and its potential benefits.	[L1]	[CO5]	
5.		Explain the enterprise resource planning and its utilities in management.	[L5]	[CO5]	**[12M]**
6.	a)	What is Six Sigma and how does it work.	[L1]	[CO5]	**[6M]**
	b)	State different forms of materials requirements planning.	[L3]	[CO5]	**[6M]**
7.		What is Business Process Outsourcing? Explain its types and benefits.	[L1]	[CO5]	**[12M]**
8.	a)	What is TQM and its importance?	[L1]	[CO5]	**[6M]**
	b)	What is balanced score card? How it is useful for a company?	[L1]	[CO5]	**[6M]**
9.		What is knowledge management? Explain Its importance and models of KM.	[L5]	[CO5]	**[12M]**
10.		What is Bench Marking and how does an organization derive benefit from such initiatives?	[L1]	[CO5]	**[12M]**
11.	a)	Elucidate the importance of Six Sigma in production.	[L5]	[CO5]	**[6M]**
	b)	How is Bench Marking useful?	[L1]	[CO5]	**[6M]**

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