

SIDDHARTH GROUP OF INSTITUTIONS:: PUTTUR (AUTONOMOUS)

Siddharth Nagar, Narayanavanam Road - 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: IEM (18ME0330)

Course & Branch: B.Tech - MECH

Year & Sem: III-B.Tech & II-Sem

Regulation: R18

UNIT - I

CONCEPTS OF MANAGEMENT

1	a	Define Management and Administration	[L1]	
			[CO1]	[2M]
	b	Compare Theory X and Theory Y	[L2] [CO1]	[2M]
	c	What are the basic dissimilarities between Authority and Power	[L1] [CO1]	[2M]
	d	Construct the Organizational chart of your college.	[L3] [CO2]	[2M]
	e	How an accountability is important for an Organization	[L1] [CO2]	[2M]
2	a	Summarize the important characteristics of management.	[L2] [CO1]	[5M]
	b	Name and describe the various levels of management with their functions.	[L1] [CO1]	[5M]
3	a	State and explain the Taylor's principles of scientific management.	[L2] [CO1]	[5M]
	b	State and explain the Fayol's principles of management.	[L2] [CO1]	[5M]
4	a	State and explain the Douglas Mc-Gregor's Theory X and Theory Y.	[L2] [CO1]	[5M]
	b	Discuss about the Hertzberg's Two factor theory of motivation.	[L6] [CO1]	[5M]
5	a	Explain the Mayo's Hawthrone experiments.	[L2] [CO1]	[5M]
	b	Explain the Maslow's Hierarchy of human needs.	[L2] [CO1]	[5M]
6	a	"Management is the art of getting things done through and with the people", Interpret	[L2] [CO1]	[5M]
	b	Discuss the systems approach to management.	[L6] [CO1]	[5M]
7		Explain the process of organization.	[L2] [CO2]	[10M]
8	a	Explain the principles of Organization.	[L2] [CO2]	[5M]
	b	Discuss in detail about the organizational structures.	[L6] [CO2]	[5M]
9		Classify the organizations and write its merits and demerits.	[L4]	[10M
10	a	Discuss about departmentation with their merits and demerits	[CO2] [L2]	[5M]
			[CO2]	[~~~]

b

[5M]

[L2] [CO2]

UNIT - II

PLANT LOCATION & PLANT LAYOUT

1	a	Define Material I	Handli	ing system					[L1] [CO2]	[2M]
	b	Why the material	hand	ling systems are imp	portant in	industri	ies?		[L1] [CO2]	[2M]
	c	Summarize the in	ncentiv	ves given by Govern	nment age	encies fo	or setting u	ıp a plant.	[L2] [C02]	[2M]
	d	Name the industr	ies in	which product layo	[L1]	[2M]				
	e	List the types of p	plant l	ayout.	[CO2] [L1]	[2M]				
2			ors go	overning the plant le	ocation. H	Explain	with any o	one specifi	[CO2] c [L1 & L2] [CO2]	[10M
3		industry. Determine the minimax location for the new equipment installation for the company which is interested in locating a new costly fire fighting equipment in the foundry. In foundry, there are seven shops whose coordinates are summarized in the following table shown below.						e [L5] n [CO2]] [10M]	
		Sl. No	Exi	sting facility	Coo	rdinates	s of Centr	oid		
		1	San	d Plant		10,	, 20			
		2	Mo	ulding Shop		30,	, 40			
		3	Patt	ern Shop		10,	120			
		4	Mel	ting Shop		10,	, 60			
		5	Fetl	ing Shop		30, 100				
		6	Gou	iging Shop		30,	140			
		7	Anr	nealing Shop		20,	190			
4				and disadvantages of nd urban sites for th				ations for	a [L1 & L2] [CO2]	[10M
5	a	Determine the be	est loo	cation using factor tion alternatives for	rating m	ethod. T	The factor	•	1 [L5]	[5M]
		Factor		Weight	Α	В	С			
		Cost		0.3	0.3 10 9 7					
		Proximity Source	to	0.2	7	7 3 10				
		Taxes		0.1	7	5	10			
		Labor		0.4	6	8	5			
	b			for a warehouse where where the warehouse where the second					0 [L5] [CO2]	[5M]

	Location Volume Chicago 200 Pittsburgh 100 New York 100 Atlanta 200					
6	Classify the different types of plant layout. Explain the process layout and product layout with is merits and demerits	[L2] [CO2]	[10M]			
7	Discuss in detail the basic requirements and procedure for CRAFT technique.	[L6]	[10M]			
8	Discuss in detail the basic requirements and procedure for ALDEP technique.	[L6] [CO2]	[10M]			
9	Pittsburgh 100 Atlanta (60,40) Atlanta (60,40) Image: constraint of the second s					
10	Explain the importance of travel chart in effective layout of a production plant. Prepare a travel chart for a hypothetical engineering concern with 4 functional departments, i.e. foundry, machining, welding and inspection.	[L5] [CO2]	[10M]			

UNIT - III

WORK STUDY & WORK MEASUREMENT

1	a	What is work study?	[L1]	[2M]
			[CO4]	
	b	What is time study?	[L1]	[2M]
			[CO4]	
	c	List objectives of method study.	[L1]	[2M]
			[CO4]	
	d	What is the purpose of Templates and Models?	[L1]	[2M]
			[CO4]	
	e	What are the benefits of Work Measurement?	[L1]	[2M]
			[CO4]	
2		Define Work Study. State its objectives. Compare Method Study and Work	[L1 & L2]	[10M
		Measurement	[CO4]	
3		State and explain the steps involved in method study procedure.	[L1 & L2]	[10M
			[CO4]]
4	a	Explain the various method study symbols in detail.	[L2]	[5M]
			[CO4]	
	b	Compare outline process chart and flow process chart	[L2]	[5M]
			[CO4]	
5		Explain the various types of charts available for recording the data in detail.	[L2]	[10M
			[CO4]]
6	a	What are the typical questions used in operation analysis with respect to material	[L1]	[5M]
		shape, equipment, tool, and other aspects of the operation and elements of	[CO4]	
		operation?		
	b	What is the purpose of string diagram and explain it with an example	[L1 & L2]	[5M]
			[CO4]	
7	a	Discuss the SIMO chart with an example.	[L6]	[5M]
			[CO4]	
	b	What is therblings? List the table with details.	[L1]	[5M]
			[CO4]	
8		Discuss various methods or techniques of work measurement	[L6]	[5M]
		1	[CO4]	
9		What measurements are to be done in a stop watch time study? Discuss briefly	[L1 & L6]	[10M
		how they are done?	[CO4]	
10		What is performance rating? Discuss about various methods of performance	[L1 & L6]	[10M
		rating	[CO4]	1
L	L	D		

UNIT - IV

MANAGERIAL ECONOMICS & MARKETING

1	a	Explain the concepts of Managerial Economics.	[L2] [CO5]	[2M]
	b	What is meant by Demand Analysis?	[L1] [CO5]	[2M]
	c	Define Law of Demand.	[L2] [CO5]	[2M]
	d	What are the exceptions to the law of Demand?	[L1] [CO5]	[2M]
	e	Define Elasticity of demand.	[L1] [CO5]	[2M]
	f	What are the types of Elasticity of demand?	[L1] [CO5]	[2M]
	g	Define Demand Forecasting.	[L1] [CO5]	[2M]
	h	Classify the types Markets?	[L2] [CO5]	[2M]
	i	Define perfect competition.	[L1] [CO5]	[2M]
	j	Define imperfect competition.	[L1] [CO5]	[2M]
2		What do you mean by elasticity of demand? What are the factors governing	[L1]	[10M
		the elasticity of demand:	[CO5]	
3		Explain briefly the following opinion survey methods of forecasting: (i) Consumers' opinion survey (ii) Delphi method	[L5] [CO5]	[10M]
4		Explain briefly the following opinion survey methods of forecasting: (i) Sales force opinion survey method (ii) End-use method.	[L5] [CO5]	[10M]
5		Explain briefly statistical methods of forecasting. (i) Moving average method (ii) Leading indicators method	[L5] [CO5]	[10M]
6		Explain briefly statistical methods of forecasting. (i) Regression method (ii) Trend projection method	[L5] [CO5]	[10M]
7		Classify and explain the types of markets.	[L2] [CO5]	[10M]
8		Summarize the features of perfect and imperfect competition?	[L2] [CO5]	[10M
9		Classify and explain the pricing methods in detail.	[L4] [CO5]	[10M
10		Discuss in detail about the pricing strategies.	[L6] [CO5]	[10M]

UNIT - V

CAPITAL & CAPITAL BUDGETING AND FINANCIAL ACCOUNTING & ANALYSIS

1	a	Define Capital.		[L1]	[2M]				
				[CO6]					
	b	Define Capital Budgeting.		[L1]	[2M]				
		Summarize the demerits of Accounting Ra	to of Poturn mothod	[CO6] [L2]	[2][1]				
	c	Summarize the dements of Accounting Ra	te of Keturn method.	[L2] [CO6]	[2M]				
	d	List out any two merits and demerits of Ne	t Present Value method	[L1]	[2M]				
		-							
	e	Summarize the merits of Internal Rate of R	[L2] [CO6]	[2M]					
	f	Determine the pay-back period for the pa	roject requires Rs. 20.000 as initial	[L5]	[2M]				
		investment and will give in general an ann for 10 years.	[CO6]	[]					
	g	Define accounting.		[L1]	[2M]				
				[CO6]					
	h	Define Journal.		[L1] [CO6]	[2M]				
	i	Define Ledger		[L1]	[2M]				
			[CO6]						
	j	Define trial balance	[L1]	[2M]					
2		Cleasify and avaian the various types of y	varking agnital	[CO6]					
2		Classify and explain the various types of w	orking capital.	[L2] [CO6]	[10M				
3	a	Explain the need of working capital		[L2]	[4M]				
			[CO6]						
	b	Explain the internal rate of return m disadvantages.	ethod. Write its advantages and	[L5] [CO6]	[6M]				
4	a	Discuss about net present value method alo	ong with merits and demerits.	[L6] [CO6]	[6M]				
	b	Determine the NPV of the project for Beet	[L5]	[4M]					
		to install machinery in rented premises for demand for is expected to last for only 5 ye	1 1	[CO6]					
		Initial outlay will be :	Rs.						
		Plant and machinery	270000						
		Working capital	40000						
		Total	310000						
		The working capital will be fully realized a expected cash inflows from business opera capital) are given.							
5	a	Discuss in detail about accounting rate of and demerits	[L6] [CO6]	[6M]					
	b	Determine the average rate of return on i investment of Rs. 5,00,000 and has a scrap is expected to yield profit after depreciat amounting Rs. 40,000, Rs. 60,000, Rs. 70,0	[L5] [CO6]	[4M]					

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6	a	Explain the tra demerits.	Explain the traditional payback period method. Also list out its merits and demerits.							[6M]
	b		Determine the pay-back period for the project whose cost is 8,00,000 yields a profit of Rs. 80,000 after depreciation at 12% per annum but before tax of 40%							[4M]
7	Determine the net present value of the two projects and suggest which of t two projects should be accepted assuming a discount rate of 10%.Initial investmentRs. 80,000Estimated5 yearsScrap valueRs. 1,000NilThe profits before depreciation and after taxes are as follows:							the	[L5] [CO6]	[10M]
		Year	I	2	3	4	5			
		Project X	16,000	20,000	10,000	15,000	12,000			
		Project Y	50,000	35,000	45,000	55,000	70,000			
8	a	Explain the tra with suitable ex	-	it and prepa	re a sample	format for	trading acco	ount	[L5] [CO6]	[6M]
	b	Explain the steps involved in ledger posting.							[L2] [CO6]	[4M]
9			Define balance sheet and prepare a sample format for balance sheet with suitable example.						[L5] [CO6]	[10M]
10		Define profit a account with su		-	prepare the	format for	profit and	loss	[L5] [CO6]	[10M]

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