

INSTITUTE OF AERONAUTICAL ENGINEERING

(AUTONOMOUS) Dundigal, Hyderabad - 500 043

INFORMATION TECHNOLOGY

TUTORIAL QUESTION BANK

Course Name	MANAGEMENT SCIENCE	
Course Code	A50014	
Class	IV B. Tech II Semester	
Branch	Computer Science and Engineering	
Year	2018 – 2019	
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Course Faculty	Ms. E. SUNITHA, Assistant Professor, Department of MBA	

OBJECTIVES

To meet the challenge of ensuring excellence in engineering education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education? The major emphasis of accreditation process is to measure the outcomes of the program that is being accredited.

In line with this, Faculty of Institute of Aeronautical Engineering, Hyderabad has taken a lead in incorporating philosophy of outcome based education in the process of problem solving and career development. So, all students of the institute should understand the depth and approach of course to be taught through this question bank, which will enhance learner's learning process.

S. No	Questions	Blooms Taxonomy Level	Course Outcome
	UNIT – I		
	PART - A (SHORT ANSWER QUESTIONS)		
1	Define functions of management.	Remember	1
2	Discuss the importance of management.	Understand	1
3	Define leadership and name the leader ship styles.	Remember	1
4	Describe the advantages of departmentation.	Understand	1
5	Define about types of organization.	Understand	1
6	Describe nature of management.	Understand	1
7	Give two examples of modern organization.	Understand	1
8	Discuss about the responsibilities of management.	Understand	1
9	Define the concepts related to organization.	Understand	2
10	Discuss about the centralization in an organization.	Understand	2
11	Write about autocratic leadership style.	Remember	2
12	List out Henry fayol's. 14 principles of management.	Remember	2
13	Describe about the committee organization structure.	Remember	2
14	Give the structure of organization.	Remember	2
15	Discuss about the importance of approaches of management.	Understand	2
16	Define about the concept of Mc Gregor theory X in motivation.	Understand	2
17	Define lower level of management.	Understand	2
18	Write a short note on Mc Gregor theory Y in motivation.	Understand	2

20 1 21 1 22 1 23 1 24 1 25 1 1 E 1 E 3 E 4 1	Questions Define decentralization. Write the merits of matrix organization. Define line and staff organisation. Write a short note on span of management. What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples. Distinguish between centralization and decentralization along with	Blooms Taxonomy Level Remember Remember Remember Understand Understand Understand Understand	Course Outcome 2 2 2 2 2 2 2 2 2 1 1
19 1 20 1 20 1 21 1 22 1 23 1 24 1 25 1 1 E 1 E 2 E 3 E 4 E	Define decentralization. Write the merits of matrix organization. Define line and staff organisation. Write a short note on span of management. What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Level Remember Remember Remember Understand Understand Understand	2 2 2 2 2 2 2 2 2 1
20 1 21 1 22 1 23 1 24 1 25 1 1 E 1 E 3 E 4 1	Write the merits of matrix organization. Define line and staff organisation. Write a short note on span of management. What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Remember Remember Remember Understand Understand Understand Understand	2 2 2 2 2 2 2 1
20 1 21 1 22 1 23 1 24 1 25 1 1 E 1 E 3 E 4 1	Write the merits of matrix organization. Define line and staff organisation. Write a short note on span of management. What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Remember Remember Understand Understand Remember Understand Understand	2 2 2 2 2 2 2 1
21 1 22 V 23 V 24 V 25 1 1 E tt 2 E 3 E 4 E	Define line and staff organisation. Write a short note on span of management. What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Remember Remember Understand Remember Understand Understand	2 2 2 2 2 2 1
22 Y 23 Y 24 Y 25 I 1 E th 2 E 3 E 4 I a	Write a short note on span of management. What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Remember Understand Understand Understand Understand	2 2 2 2 1
23 Y 24 Y 25 I 1 E tt 2 E 3 E 4 E	What do you mean by delegation of authority? Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Understand Understand Remember Understand Understand	2 2 2 1
24 Y 25 I 1 E tt 2 E 3 E 4 E a	Write the relationship between management and organization. Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Understand Remember Understand Understand	2 2 1
25 I 1 E tt 2 I 3 E 4 I a	Define authority and responsibility. PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Remember Understand Understand	2
1 E tl 2 E 3 E 4 E a	PART - B (LONG ANSWER QUESTIONS) Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Understand Understand	1
tt 2 I 3 E 4 I a	Explain employees' behaviours and attitudes according to McGregor's heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Understand	
tt 2 I 3 E 4 I a	heory X and theory Y of motivation. Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.	Understand	
2 I 3 E 4 I a	Discuss the relation between Herzberg two factor theory of motivation. Explain Maslow's hierarchy needs theory with examples.		1
3 E 4 E a	Explain Maslow's hierarchy needs theory with examples.		1
4 [a			1
a	Jistinguish between centralization and decentralization along with		1
	•	Remember	2
5 V	advantages and disadvantages. Write about the different types of organizations based on authority	Understand	2
		Understand	2
	elationships. Discuss briefly about the systems approach and modern approach to	Understand	2
	• • • • • • • • • • • • • • • • • • • •	Understand	2
	nanagement. 'Is authority and responsibility interrelated" Explain.		2
	Define organization structure. Describe about the principals of	Remember	2
	organizations.	Kelhenbei	2
	Define management. Write the scope and importance of management.	Remember	2
		Understand	2
	Write in detail about the functions of management.	Understand	2
	Explain different types of organizations structures with examples.	D	
	Define leadership and describe the different types of leadership styles.	Remember	2
	Write about the Henry Fayol principles of management.	Understand	3
	Describe briefly about the social responsibility of the management.	Understand	2
15 V	Write a short note on delegation of authority and span of management.	Remember	3
	PART - C (ANALYTICAL QUESTIONS)		
	Give examples for modern and traditional organization	Remember	1
2 I	Describe briefly about the different approaches carried in an organization	Understand	1
v	with suitable examples?		
3 I	Discuss the relation between Herzberg two factor theory of motivation and	Understand	2
	Maslow's needs theory		
	Explain the real-life example of a leader and what is the role played in an	Remember	3
	organization?		
	According to Taylor's scientific management approach bring to the process	Remember	3
0	of management? Did it change the value of time? If so, in what way?		
	UNIT – II		
	PART - A (SHORT ANSWER QUESTIONS)		
1	Write about the job production.	Understand	4
	Define the term TQM.	Remember	4
	Describe about the method study.	Understand	4
	Discuss JIT system.	Remember	5
	Write about the Economic Order Quantity.	Remember	5
6	Write the formula for C chart.	Remember	5
7 1	Define the acceptance sampling.	Remember	5
	Write about the batch production.	Understand	5
	Write any two objectives of inventory control.	Understand	5

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S. No	Questions	Taxonomy	Course
5.10	Questions	Level	Outcome
10	List out the methods of production.	Remember	5
10	Define quality.	Remember	5
11	Define inventory control.	Remember	5
12	Write the benefits of JIT system.	Understand	5
13		Remember	5
14	Define economic order quantity.		5
	Write a short note on ABC analysis.	Understand	
16	Define business process reengineering.	Remember	6
17	Write about the six sigma.	Understand	6
18	Discuss about the store management and store record.	Understand	6
19	Define work study in operations management.	Remember	6
20	Define marketing.	Remember	6
21	Discuss about the maturity level in Product Life Cycle.	Understand	6
22	Write about the marketing mix.	Understand	6
23	Discuss Statistical Quality Control.	Remember	6
24	Define supply chain management.	Remember	6
25	Discuss mass production.	Remember	6
	PART - B (LONG ANSWER QUESTIONS)		
1	Discuss plant layout and methods of production with the help of neat	Remember	4
	diagram with examples.		
2	Describe EOQ, ABC Analysis how the management will take the decisions	Understand	4
	according to the economic order quantity.		
3	Explain Materials Management? and write importance and objectives of	Understand	4
-	material management.		
4	Discuss the need for Inventory control and how the management will	Remember	4
	control the inventory in an organization.		
5	What is work-study basic procedure involved in method study and work	Evaluate	5
-	measurement?		-
6	Discuss briefly about the Purchase Procedure process with the help of	Understand	5
-	pictorial representation.		-
7	Explain briefly about just in time system and supply chain management.	Understand	5
8	What are the marketing strategies based on Product life cycle and discuss	Remember	5
0	each stage and importance in an organization?	Remember	5
9	Discuss channels of distribution.	Understand	6
10	Explain Stores Management how is it useful in organization.	Understand	6
10	What are the functions of marketing and discuss briefly about the	Remember	6
11	marketing mix?	Remember	0
12	Define about the quality? Write about Deming's contribution to quality.	Remember	6
12	Discuss the various stages in product life cycle? Why it is essential for the	Understand	6
15	marketer to know about the stages in PLC of a product.	Underställu	U
14	How the marketing is different from selling? Explain how marketing starts		
14	and ends with the customer?	Remember	6
15	Explain the objectives of purchasing function? How do you organize the		
15	purchasing department?	Understand	6
			I
	PART - C (ANALYTICAL QUESTIONS)		I
1	The following information is about the shock observers used by an		
	automobile workshop:		
	Annual demand: 4800 units		6
	Unit price: Rs 300	Analyse	Ŭ
	Cost of placing an order : Rs 50		
l	Storage cost : 3% PA		
1	Interest rate: 15% PA		

	Calculate	e EOQ) and	also a	nd fir	nd the	num	ber of	orde	rs to	be placed?		
S. No							Blooms Taxonomy Level	Course Outcome					
2	A biscuit cost per carrying EOQ?	bag cost	is Rs is est	500 timate		6							
3	machine S.NC No o defect	SOU? The following data represents the number of defects found each sewing machine cabinet inspected plot a control chart with control limits S.NO 1 2 3 4 5 6 7 No of 8 10 7 9 6 7 8										Analyse	6
4	Construct 2 Sample X R	X and 1 20 23	R cha 2 34 39	arts fo 3 45 14	4 39 5	follov 5 26 20	ving i 6 29 17	nform 7 13 21	nation 8 34 11	9 37 40		Analyse	6
								UNI	T – I	II			
				PA	ART	A (SHO	RT A	NSV	VER	QUESTIONS)		
								Cl	E - I				
1	Define hun	nan re	esourc	e mar	nagem	ent.						Remember	5
2	Discuss ab					oprais	al.					Remember	5
3	What is ma											Understand	5
4	Write abou	t the	recrui	tment	proce	ess.						Understand	6
5	Define PM											Remember	6
6	Write abou											Remember	6
7	Write abou			<u> </u>								Understand	6
8	Discuss ab											Understand	6
9	Discuss ab			motio	n.							Understand	7
10	Define sep											Understand	7
11	Define abo	5			•							Remember	7
12	Write abou	t the	transf	er.				ar				Remember	7
10	XX7 ' 1	1 .						CL	E - II			TT 1 / 1	7
13	Write abou				ont :-	tha	race	Totic	2			Understand	7
14 15	Discuss ab											Understand	7
15	Define what List out the							ganiz	auon	•		Understand Remember	7
10	Write the a							more	nroa	rame	205	Understand	7
17	Give the ty								. prog	,1a1111	105.	Understand	7
10	Discuss ab											Remember	7
20	Write abou				-				o nro	cess		Understand	7
20	Write abou			-		-	er più		> PIO			Understand	8
22	List out the		-									Remember	8
23	Write abou			e e			ng.					Understand	8
23	List out the		ě				-0.					Understand	8
25	Write any					-	ation.					Understand	8
	,							IG A	NSW	/ER	QUESTIONS)		-
									E - I				
1	Discuss abo	out hu	man 1	resour	ce ma	inager	ment				of human resource	Understand	8

	management.		
2	Differentiate between the human resource management and personal	Remember	8
	management and industrial relations.		
3	Discuss promotion, transfer, separation and demotion.	Understand	8
4	Discuss about the steps in handling a grievance.	Understand	8
5	Describe the methods of job evaluation.	Remember	8
6	Define human resource management. Explain the functions of human resource	Understand	8
	Manager.		
7	What do you mean by manpower planning and write the strategies of man	Remember	8
	power plan.		
	CIE - II		8
8	Define Recruitment and selection process and write about the steps in	Remember	8
	selection process.		
9	Discuss about the wage and salary administration.	Understand	8
10	Define briefly about training and development and types of training.	Remember	8
11	Write the advantages the advantages of training in an organization	Understand	8
12	Write the difference between on the job training methods and off the job	Understand	8
	methods.		
13	Define merit rating and explain the methods of merit rating.	Understand	8
14	Explain performance appraisal and write about the steps in performance	Understand	8
	appraisal.		
15	Briefly explain the recruitment and induction.	Remember	8
	PART - C (ANALYTICAL QUESTIONS)		
	CIE - I		
1	Give the examples of the organizations which fallow the performance	Understand	8
_	appraisal steps sequentially?		-
	CIE - I		
2	Give the examples of latest training methods which are followed in modern	Remember	8
_	organization?		-
	UNIT – IV		
	PART - A (SHORT ANSWER QUESTIONS)		
1	Define project.	Understand	9
2	Describe activity.	Understand	9
3	Write about the dummy activity.	Understand	9
4	Discuss about the normal time and crash time.	Understand	9
5	Define project crashing.	Understand	9
6	Define events.	Understand	9
7	How to calculate slack and float?	Remember	9
8	Discuss free float.	Understand	10
9	Define the concept of independent float?	Understand	10
10	Write about milestone chart?	Remember	10
11	Define network?	Understand	10
12	What do you mean by optimistic time estimate?	Remember	10
13	Discuss about the average estimate time?	Understand	10
14	Write the formula for earliest expected time?	Understand	10
15	What do you mean by negative float?	Remember	10
16	Define total float	Understand	10
17	What do you mean by normal cost and crash cost?	Understand	10
18	Define short note on project crashing.	Remember	11
19	Write a formula for cost slope.	Remember	11
20	What do you mean by pessimistic time?	Understand	11

				ΡΔΡΤ	B (LONC	ANG	SWED	OUEST	(2MOI		
1	What is mean	nt hy n						-		Understand	11
2	What is the								iques and	Understand	11
2	critical path	method	d?			uon a	ind rev	lew techn	iques and	Remember	11
3	Write about									Understand	11
4	Describe abo			*	1 0			0		Remember	11
5	Write about diagram.	the ea	arly te	chniques	of project	mana	gemen	t with th	e help of	Understand	11
6	Explain the r	ules fo	or draw		Remember	11					
7	Discuss how			Understand	12						
8	Explain abou		Understand	12							
9	Find out the										
	Activity	1-2	2-5	1-3	1-4	3-	-5	4-6	5-6	Remember	12
	Duration	5	7	1	3	3		5	1		
10	Create a net	work d	liagram	and also	find cpm						
		ob	8		redecessor			duration	n		
		A			S			8			
		B			S			2			
		C			A			6			
		D			B			4		Remember	12
		E			A		-	8		ixemenioei	12
		F			D,E			4			
		G			B			10			
		H			C,F			4			
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
		1		DADT	,	IVT		-			
1			. 1 1		- C (ANA				IUNS)		
1	Find out the estimated ,least time and slack for the following data:										
	Activity		Optimistic Most likely		•	essim	istic				
		-	ime		time		me				
	1-2	2	2	5		1	14				
	1-6	2	2	:	5	8					
	2-3	5	5		11	2	9			D 1	10
	2-4	1	l	4	4	7				Remember	12
	3-5	5	5		11	1					
	4-5	2			5	1					
	6-7	3			9	2					
	5-8	2			2	8					
	7-8	7	7		13	3					
2		DT			-		-				
2	Create a PE					ect:					
	A is the first J is a succes				vent						
	C and D are										
	D is a f occu				ent to G						
	E and F occ									Remember	12
	E and Foce E precedes I			i C							
	C restrains t		urrence	e of G and	d G nrecede	sН					
	H follows F		untenet		a o precede						
	H precedes .	T									
3	Create the n		for the	e followi	no nroiect a	nd nu	mher ti	ne evente:			
5			. ioi ult		ng project a	ing ilul	moer u	ie events.			
1		D	adad	F (D 1	1				Remember	12
1	Event	Prece		HVent	Precede	n i					
	Event number	Prece		Event number	Precede by	a					

	А	Star	G	E			
		event-	**	G D			
	В	А	Н	G, E			
	C	В	J	D, F,H			
	D	В	Κ	C,J			
	Е	D	L	K			
	F	В	М	J			
4	A small and	incoring proj	aat aansist	s of six activit	ing The three		
4					e given below:		
	Activity	t _o	t _m	t _p			
	1-2	2	5	8			
	2-3	1	1	1			
	3-5	0	6	18			
	5-6	7	7	7			
	1-4	3	3	3		Remember	12
	4-5	2	8	14			
	 Calculate Calculate Calculate Identify the 	EST and LF total slack for	T and mark or each acti th and marl	vity k on the net w	net work diagram		
				UN	T - V		
			PART - A	A (SHORT A	NSWER QUESTIONS)		
1	Define strate	egic manager				Understand	12
2	Discuss abo	ut the objecti		nization.		Understand	12
3	Define miss					Remember	12
4		fly about SW		is.		Understand	12
5		e chain analy				Understand	12
6		t the bench n				Remember	12
7		nced score ca	rd?			Remember	12
8	Define strate			nnina		Understand	12
9 10		ut the enviror the goals in a				Remember Understand	<u>13</u> 13
10		the program		011.		Remember	13
12		ut the corpor		g.		Understand	13
13		the threats in	Understand	13			
14				OT analysis.		Understand	13
15				gy alternatives		Remember	13
		bination strat	Understand	13			
16 17		out the value					

18	Write a short on MRP.	Remember	13
19	Describe about the total quality management.	Understand	13
20	Define bench marking.	Understand	13
20	Discuss about the concept of balance scorecard.	Remember	13
21		Understand	13
22	Define business process re engineering. Write the benefits of balance score card.	Remember	13
		Understand	13
24	Write about the perspectives of balance score card.		-
25	Define about the benefits of JIT.	Understand	13
	PART - B (LONG ANSWER QUESTIONS)		
1	Define Mission, Goals, Objectives, of strategic Management.	Remember	12
2	Explain Strategic Management Programmes and why the programmes are implemented in an organization.	Remember	12
3	Explain Strategic Management Policy, and how the strategies will be designed	Understand	12
	in an organization.		
4	Discuss about the Generic Strategy alternatives.	Remember	12
5	Explain Steps in Strategy Formulation and Implementation.	Understand	13
6	Describe the elements of corporate planning process with the help of diagram.	Remember	13
7	How companies will find out the strengths and opportunities in an organization?	Understand	13
8	Describe briefly about bench marking and benefits of it.	Understand	13
9	Explain Contemporary Management Practices in detail?	Understand	14
10	Discuss about the environmental scanning.	Understand	14
11	Explain about the SWOT analysis significance.	Remember	14
12	Discuss about the balance score card and total quality management.	Remember	15
13	Describe about the performance management.	Understand	15
	PART - C (ANALYTICAL QUESTIONS)		
1	Explain how companies will analyse the strengths and weakness with examples.	Remember	14
2	Give the examples of bench marking practices fallowed in the reputed organisations.	Remember	15

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HOD, CSE