BR	8R 8R 8R	8R. 8R							
Cada	No. 127D I	R16							
Code No: 137DJ JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD									
B. Tech IV Year I Semester Examinations, July - 2021									
anning amount	INDUSTRIAL MANAGEMENT								
() _()	(Mechanical Engineering)	Max. Marks: 75							
Time	: 3 Hours Answer any Five Questions								
All Questions Carry Equal Marks									
1.a)	List of the importance of management.								
b)	Write the importance of Maslow's theory of human needs.	on lon							
c)	Explain in detail about Taylor's scientific method of managemer	nt. 5 - [5+5+5]							
20)	What is an inverted pyramid structure?								
2.a) What is an inverted pyramid structure? b) Explain the theory of McGregor's theory of X and theory Y in detail by suitable example.									
		[7+8]							
2 a)	Write about the various quantitative techniques used in optimal	design of a plant layout.							
$\bigcirc \bigcirc \bigcirc 3.a)$ b)	Differentiate between group technology layout and product layo	ut. [8 + 7]							
4.a)	4.a) What is meant by consumer risk and producer risk in a OC curve.								
b) Differentiate between control charts for attributes and control charts for variables in detail. c) What are the desirable characteristics for a sample taken for a sampling plan? Explain.									
	What are the assumed standard and a second s	[5+5+5]							
5.a) b)	Define the terms Job description and job evaluation. Enumerate the various steps involved in job evaluation?	- 정문(**** 정문(****							
c)	What is meant by job crashing? How it is done?	[5+5+5]							
6.a)	Differentiate between PERT and CPM. For the following table of information i) Draw the network diagram and ii) Determine the								
b)	critical path(s).	[8+7]							
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of H		Float S							
	Start 0 days Start	* *							
	B 2 days Start								
	C 3 days A,B								
	D 5 days Start E 6 days Start								
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7.a)	The results form. Comp	of inspection of 10 oute the control lim	samples each co	ntaining 4 units ar R charts.	e tabulate din the	flowing	
8R	8R	Observations A 1 4 2 3 3 3	7 32 4 3 33 3 4 34 3	4 35 39.50 4 34 33.50 1 34 33.25	Range R 15 1 1 3 3 35	88	83
3 R	8R	5 3 6 1 7 2 2 8 3	23 3 9 37 3 23 45 2 33 12 2 25 22 3	4 47 26.00 8 40 34.00 1 27 28.50 26 37 32.75 29 43 29.25 37 33 29.25 30 13 26.00	17 18 22 31 15 19	88	83
b)	Analyze th	ne differences betw	een the inspectio	n and quality cont	rol.	[7+8]	
8. Active Experiment (day	vity 1–2 ected 6	2–3 3–6 4 5	2-4 1-5 5 4	of each activity is 5-6 4-6 7 11	as follows: 5-7 7-8 9 12	6-8	83
8R	b) Identify c) Find th	he network for the y the critical path. e project duration. he slack at each even	o t	rk. 8R	8R.	(15)	8
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8R	8R	8R	88	8.R	8R	88	
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