Total No	o. of Questions : 8] SEAT No. :								
PB36	00 [Total No. of Pages : 3								
	[6261]-5								
	S.E. (Civil)								
PROJECTMANAGEMENT									
	(2019 Pattern) (Semester - IV) (201012)								
Time: 2	[Max. Marks: 70								
Instructi	ons to the candidates:								
1)	Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.								
2)	Figures to the right indicates full marks.								
3)	Neat figures must be drawn wherever necessary.								
<i>4</i>)	Assume suitable data if required.								
	80.								
Q1) a)	Write a short note on: [6]								
	i) Purchase Order								
	ii) Material Receipt								
	ii) Widterial Receipt								
b)	How doyou inspect quality of material like sand and aggregate on your								
ŕ	site?								
c)	Define Inventory and list out step by step process to conduct ABC								
	analysis. [6]								
	OR								
Q2) a)	A construction Company purchases 12000/- Bags of Cement Annually								
Q2) a)	with effective cost Rs. 315/-per Bag, the cost of procurement = Rs. 150								
4									
	per lot & holding cost is 20%. Calculate EOQ. [5]								
b)	What are the objectives of Materials Management? Explain any two. [6]								
- /	the contract of the contract o								
c)	What safety precautions would you take to avoid accidents on tunneling								
	site? Explain safety programme undertaken. [6]								

P.T.O.

- Q3) a) What is MSP? State its Importance in Construction Sector. [5]
 b) Write a short notes on: [6]
 i) Objectives of Resource Smoothening.
 ii) Steps in Resource Smoothening.
 - c) Explain different methods of EVA. Explain any one in details. [6]

OR

- Q4) a) Explain Step by step process of Network Crashing? [5]
 - b) What is Cost Slope and how it is determined? [4]
 - c) Following table shows the data of small construction project.

Draw the network diagram and update the network by using the following conditions at the end of 10 days. [8]

- i) What is the change in the project duration?
- ii) What is remaining duration of project?

Activity	1-2	2-3	2,4	3-5	4-5	5-6	5-7	6-7
Duration	4	6	5	(LO)	2	1	4	6
(Days)			35	/				

At the end of 10 days review was taken which indicates

- 1) Activity 1-2 & 2-4 was completed as originally planned.
- 2) Activity 2-3 & 3-5 delayed drastically and requires 5 & 6 more days respectively for their completion.
- 3) Activity 4-5 & 5-6 is in progress and both require 8 more days for their completion.
- 4) Activity 6-7 yet to start and the original time estimate still appear to be accurate.
- 5) Activity 5-7 requires 8 days in place of 6 days for its completion.
- Q5) a) Define: Cost, Value, Wants & Goods. [6]
 - b) Explain Fixed & Working Capital. [6]
 - c) What is Annuity? Explain how future value of Annuity is Calculated. [6]

OR

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Q6) a)	Define : Price, Wealth,	[6]							
b)	Explain Law of Diminis	[6]							
c)	Explain factors affecting	g price determinatio	n.	[6]					
Q7) a)	Write a short note on '.	Role of PMC' in pre	e-tendering.	[6]					
b)	What do you mean by	-							
	Appraisal.		0	[6]					
c)	Explain importance of	Project Feasibility R	eport.	[6]					
		OR							
Q8) a)	Write a Short note on '	_		[4]					
b)	Following Data pertain	ns to 2 Projects. Rar	nk the Projects base						
,	ratio & NPV values		\$500	[8]					
	Particulars	Project A	Project B						
,	Investment	Rs. 1,10,000/-	Rs. 1,10,000/-						
	Cash Inflow Year 1	Rs. 31,000/-	Rs. 71,000/-						
	Cash Inflow Year 2	Rs. 40,000/	Rs. 40,000/-						
	Cash Inflow Year 3	Ks. 50,000/-	Rs. 40,000/-						
	Cash Inflow Year 4	.90							
	Interest Rate	14%	14%						
c)	Cash Inflow Year 4 Rs. 70,000/- Interest Rate 14% 14% Explain 'Pay-back Period' with example. **Explain 'Pay-back Period' with example.** **Explain 'Pay-								
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	97	x x x), ',					
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		O/X							

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