P-7510		[Total No. Of Pages : 2
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	T.E. (Civil)	
(2040.)	CONSTRUCTION MANAGI	
	Pattern) (Semester - I) (301005	
Time : 2½ Hoi Instructions to	the candidates	[Max. Marks: 70
1) 2) 3) 4)	Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q Neat diagrams must be drawn wherever nece Figures to the right side indicate full marks. Assume Suitable data if necessary	ssary.
<b>Q1</b> ) a) Ex	plain the importance of working capital in	construction projects. [6]
b) Ex	plain project cash flow projections.	[6]
	plain minimum wages act and building and 1996.  OR	d other construction worker [6]
<b>Q2</b> ) a) Ex <sub>1</sub>	plain the project balance sheet with suitable	e example. [6]
b) Ex	plain child labor act.	[6]
c) Ex	plain the interstate migrant workers act.	<u> </u>
	() (9. <sup>2</sup> / <sub>2</sub> )	98
<b>Q3</b> ) a) Wh	nat are the steps in risk management?	[6]
b) Wr	ite note on mitigation of risk.	[6]
c) Exp	plain simulation analysis.  OR	[6] [6] [5]
<b>Q4</b> ) a) Exp	plain break even analysis.	[6]
b) Wr	ite short note on role of insurance in cons	truction projects. [6]
c) Sta	te the need of value engineering.	[5]
	D.B.	P.T.O.

<b>Q5</b> ) a)	What are the objectives of material management?	[6]
b)	What is the importance of ERP in material management?	[6]
c)	Explain the role of material manager.	[6]
	OR.	
<b>Q6</b> ) a)	Explain the concept of EOQ in detail.	[6]
b)	Explain the various phases of material flow.	[6]
c)	What is the importance of inventory control?	[6]
	Still Ball	•
<b>Q7</b> ) a)	Write short note on genetic algorithm.	[6]
b)	Write short note on training and development.	[6]
c) <sub>1</sub>	Write short note on staffing policy and pattern	[5]
	OR)	
<b>Q</b> 8) a)	Write short note on compensation and benefits.	[6]
b)	What are the applications of fuzzy logic in Civil Engineering?	[6]
c)	Explain artificial neural network.	[5]
	What are the applications of fuzzy logic in Civil Engineering?  Explain artificial neural network.	
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