ode No: 126AE

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, May - 2016 TRANSPORTATION ENGINEERING – I

(Civil Engineering)

Time: 3 hours	(Civil Engineering)	
		Max. Marks: 75
Part A is compulsor consists of 5 Units. A	contains two parts A and B	tions in Part A Part R
	PART - A	(25 Marks)
b) What are the factors of What are the design in d). How do you frame do with specification? e) What are the different type g) Draw and explain diff h) Draw typical conflictions are treatments.	tems at regional/ national and urban level. effecting highway alignment? essues in highway geometrics? esign controls in geometrics of highway expected the traffic signs and their relevance? es of road markings, their specifications and efferent types of grade separated interchanges ict points in an intersection and sugges es of pavement failures.	their relevance. [3] tst different types of
**	PART - B	
2.a) Present on different rob) What are the different	oad developments in India t road network patterns and explain their bea	(50 Marks)
	OR	nefits? [5+5]
3.a) Present on Engineering b) Present the different of the control of the contro	OR ng surveys to be conducted for highway constraining to be developed for facilitating to constraining to constrain the constraint and constraining to constrain the constraint and constraint an	struction.
3.a) Present on Engineering b) Present the different of the second secon	or surveys to be conducted for highway constraining to be developed for facilitating to developed for facilitating to developed for facilitating to design.	struction. construct a highway.
 3.a) Present on Engineering b) Present the different of the second o	OR In a surveys to be conducted for highway constraining to be developed for facilitating to constrain the surveys to be developed for facilitating to constrain the survey of form for super elevation design.	struction. construct a highway. [5+5] ntation? [5+5]
 3.a) Present on Engineering b) Present the different of the sequence 4.a) Develop the equation what is the IRC suggests 5.a) Develop the equation by Develop the equation 6.a) Explain the survey prepresentation. 	or designing the different vertical curve or occodure for speed studies and present the speed studies are speed studies are speed studies and present the speed studies are speed studies are speed studies.	extruction. construct a highway. [5+5] ntation? [5+5] rves. [5+5]
 3.a) Present on Engineering b) Present the different of the survey preparent of the	or designing the different vertical curves of parking surveys and explain them:	estruction. construct a highway. [5+5] ntation? [5+5] rives. [5+5] he different forms of
3.a) Present on Engineering b) Present the different of the survey present the survey prepresentation. b) What are the different of the survey prepresentation. b) Present on accident accidents.	or designing the different vertical curve or occodure for speed studies and present the speed studies are speed studies are speed studies and present the speed studies are speed studies are speed studies.	estruction. construct a highway. [5+5] ntation? [5+5] rives. [5+5] he different forms of

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b) Preso	Present the different types of islands and their functionality in reducing the conflicts. Present the design procedure of rotary as traffic Control Island: OR What are the requirements of at grade intersection? Present on different types of intersections. [5+5]							
Presentation Prese	ent the construction ent the test procedu	materials?	[5+5]	KÐ				
b) Preso	ent the construction	procedure of co	oncrete joints?	K9	[5+5]	K9		
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* * * * * * * * * * * * * * * * * * * *	K9	K9	K9	K9	K9			
K9	K9	K9	K9	K9	K9	K9		
K9	K9	K9	K9	K9	K9	K9		
K9	K9	K9	K9	K9	K9	K9		
K9	K9	K9	K9	K9	K9	K9		
K9	KÐ	K9	K9	K9	K9	K9		