BICEE-016

B.TECH. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2013

BICEE-016 : TRANSPORTATION PLANNING

Time : 3 hours			Maximum Marks : 70	
Note	((i) (ii) (iii)	Answer any five questions. Assume missing data if any. Use of scientific calculator is permitted .	
1.	(a)		Explain the inventories in transportation 6 planning process.	
	(b)	Write	Write Short Notes on	
		(i)	Zoning	
		(ii)	Cordan line	
		(iii)	Expansion factor	
		(iv)	Sampling techniques.	
2.	(a)	proc	Explain with the help of flow chart the process involved in the systems approach in transport planning.	
	(b)		lop the nature of travel demand from undamental theories.	7

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- (a) Differentiate between average factor 7 method and uniform factor method with suitable examples.
 - (b) Compare the concepts, model forms and calibration process of different type of Growth factors methods with Gravity mode.
- (a) What is trip generation? Explain the 7 importance of Trip Generation in transportation planning process.
 - (b) Explain the method of Frater method for 7 estimating trip distribution between two given zones.
- (a) With the help of a diagram explain the basic 7 movements for which the survey data is required.
 - (b) Explain the survey procedure, sample size, 7 sample selection and expansion factors for home interview survey.
- 6. (a) With the help of neat sketches explain the vise of diversion curves in traffic assignment.
 - (b) Describe the methods used for converting 7 the travel time savings into monetary value.
- (a) Explain the recent development in modal 7 split analysis.
 - (b) What is the purpose of traffic assignment **7** onto the networks ?