

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular/Backlog), November 2016

B. Tech Civil Engineering, Semester VII

Roll No.....

**CE 705: INFRASTRUCTURE PLANNING AND
FINANCE MANAGEMENT**

Time: 3 hours

Max. Marks: 100

Instructions to students:

1. Do not write anything other than your roll number on question paper.
2. Assume suitable data wherever required and mention it clearly.
3. Writing appropriate units, nomenclature, and drawing neat sketches/schematics/ flow chart wherever, required are an integral part of the answer.

Q.1A	Objective type questions (10 questions @ 1 mark)	10
i.	The idea of a Smart City, according to writer G. Sampath, is: a. An urban designed city; b. Mobilization of developmental funds from abroad; c. Making banking sector efficient; d. Ease of access to modern shopping malls, eateries and transport	
ii.	An urban planner planning for a durable and functional sewer line must accord top priority to: a. Soil analysis b. Good construction design c. High quality pipe lines Gradient of the area	
iii.	Economy of scale implies a. Maximum input and minimum output b. Minimum input and maximum output c. Maximum input and maximum output d. Minimum input and minimum output	
iv.	City hinterland means a. Catchment areas supplying ideas to the city b. Catchment areas sending goods for daily consumption in the city c. Background region which generates electricity d. Region which has large number of schools and colleges	
v.	An ideal location for an industrial complex should be a. On agricultural land b. On river front c. On a waste land d. In a forest zone	
vi.	Dividend-payout ratio determines a. The amount of earnings that can be retained in the firm b. The amount of earning that can be used in the firm c. The amount of expenses of the firm d. All of the above	
vii.	Who are the stakeholders of a Company?	

viii.	Who are the one to select the board of directors of a Company?	
ix.	Inflation is generally measured in terms of	
x.	Depreciation expense as the difference between the and the salvage value, divided by the.....	
Q.2	Short answer type questions (4 questions @ 2.5 marks)	10
a)	What is land use planning?	
b)	What are key urban functions?	
c)	Explain a growth pole.	
d)	What is ribbon development?	
Q.3A	Write a short note on CBD. Give examples.	05
Q.3B	What is a satellite town? Give example.	05
Q.4A	What is an ecological zone? Why it is required?	05
Q.4B	What is urban decongestion? Give examples.	05
Q.5A	Explain how cash flow works? What are steps considered in analyzing cash flow?	05
Q.5B	Draw the classification of organization of Financial Management.	05
Q.6A	Discuss Union Budget. What are the taxes considered under Union Budget? Explain property tax.	05
Q.6B	Explain inflation and the role of Board of Directors in financial management.	05
Q.7A	What are the equivalent amounts of Rs.20000 (today) at an interest rate of 10% per year for the following cases? (a) 1 year from now (future Value) (b) 1 year before (Present value).	05
Q.7B	Find Future value interest factor of an (ordinary) annuity of Rs. 1 per period at $i\%$ for n periods ($FVIFA_{i,n}$). Where $n = 1$ to 5 per Year and $i = 1\% 3\% 5\% 8\%$. Represent in a table.	05
Q.8A	Explain why do we need a long term Master Urban Plan of a city, instead of short and medium term plan? What do you understand by long term, medium term and short term plan? Give examples.	10
Q.9A	A person has taken a decision to deposit a amount of Rs.10,000/- in a bank for a period of 5 years. Estimate the amount of money, the person will receive from the bank at the end of 5 years for the following cases; a) Considering simple interest rate of 8% per year b) Considering compound interest rate of 8% per year.	10
	OR	
Q.9 A	What is financial Management? Explain the important areas considered in Financial Management.	10
Q.9B	Prepare a Master Plan for a Clean and Green neighborhood "Mohalla" for a period of TEN Years. What studies and preparations, procedures and suggestions you would make? (100 words)	10
	OR	
Q.9B	Give summary of ONE Project Report in Geoinformatics course submitted by other group of your class. (Note: Exclude your own project report summary. This is to test your ability to understand, appreciate and be critical of projects presented by other people showing your keenness.) (100 words)	10