

JK LAKSHMIPAT UNIVERSITY, JAIPUR
INSTITUTE OF ENGINEERING AND TECHNOLOGY
 End Term Examination (Regular), November 2016
 B. Tech in Civil Engineering, Semester V

Roll No.....

Time: 3 hours

Max. Marks: 100

CE 512: Urban Planning

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 multiple choice questions (10 questions @ 1 mark)	10
i.	Which set is ideal land use? a) Industries: Agricultural Land b) Residential: Barren Land c) Forest and Hills: Ecological Zone d) River Front: Commercial Zone	
ii.	An urban master plan means: a) Hierarchy of settlements b) Mapping ideal urban functional land uses c) Study of people behaviors d) Encroachment removal from government lands	
iii.	The ideal use for a lake front is: a) Residential houses b) Sewage treatment plant c) Horticulture and parks d) Educational institutions	
iv.	The slogan of 'smart city' is to: a) Make peoples' daily life functional b) Attract FDI c) Find digital Solutions d) Have efficient connectivity	
v.	Which is not generally true? a) Varanasi is a tourist destination. b) Surat is a commercial centre. c) Mysuru (Mysore) is not a heritage city. d) Jaipur is famous for stone statue carving.	
vi.	What is a functional city? a) Wide roads. b) Ease of getting taxi late night using smart phone c) Green and safe d) Availability of foreign goods in market	
vii.	Which set is not hierarchical in order of increasing urban functions: a) City, Metropolis, Conurbation, Village, Town b) Mumbai, Ahmedabad, Jaipur, Kota, Sikar c) Village, Town, City, Metropolis, Conurbation d) Jaipur, Jodhpur, Ajmer, Bikaner, Sikar	

viii.	Which set is correctly ranked in increasing order of population size? a) City, town, conurbation, village, metropolis b) Mumbai, Chennai, Kanpur, Kota, Bharatpur c) City, Village, Metropolis, Megalopolis d) Jaipur, Alwar, Jodhpur, Ajmer, Udaipur	
ix.	For an efficient effluent treatment plant an engineer should:- a) Study residential area patterns b) Analyze soil profiles c) Know about geology of rocks d) Do slope analysis	
x	IBM launched the idea of:- a) CityNext Program b).Smart+Connected Communities c). Smart City Mobility d). CityCockpit Community	
Q2).	Short answer type questions (4 questions @ 2.5 marks)	10
a).	What is the difference between Kota and Jodhpur cities?	
b).	Compare and contrast industrial and residential zoning.	
c).	What is a hierarchy of human settlements?	
d).	What an Urban Master Plan requires to be studied and why?	
Q.3A	What do you understand by catchment region? Illustrate.	05
Q.3B	What do you understand by urban 'Nodes,' and 'Linearity'? Illustrate.	05
Q.4A	What are the principles underlying urban zoning?	05
Q.4B	Compare the ecology of Bharatpur City with that of Jaisalmer City.	05
Q.5A	What do you understand by urban hinterland? Illustrate.	05
Q.5B	'Indian cities are dysfunctional?' Explain.	05
Q.6A	How can a city maximize residential land use? What are the associated problems?	05
Q.6B	How local organizations help in preparing and execution of widening of a city road?	05
	OR	
Q.6B	What do you understand by urban sector plans? Elaborate.	05
Q.7A	Urban functions and population are related? Explain.	05
Q.7B	What do you understand by Central Business District?	05
	OR	
Q.7B	Write an essay on the urban planning of the walled city and outer city of Jaipur. (150 words)	05
Q.8A	What kind of secondary sources are required to be consulted for preparing a rural master plan? (70 words)	10
Q.9A	What do you understand by 'Mission Statement' for an infrastructure project proposal? Elaborate with examples. (150 words)	10
Q.9B	What do you understand by environmental and social impacts assessment of human activities? Give examples.	10
	OR	
Q.9B	Compare and contrast between Urban Redevelopment and Urban New Development.	10