

Master of Technology

Town and Country Planning

M. Tech. – I Semester - I

Subject Name: Urban Land Management

Subject Code: MTTC14102

Type of course:	PE-I
Prerequisite:	Basic understanding on Land management tools, Land Value and Land Economics
Rationale:	To understanding procedures and land management practice, or at least minimize creation of new or aggravation of existing sensitive land areas and formations within urban areas
Teaching and Examination Scheme:	

TEACHING SCHEME				Theory Marks			Practical Marks		Total
L	T	P	C	TEE	CA1	CA2	TEP	CA3	150
3	0	2	4	60	25	15	30	20	

CA1: Continuous Assessment (assignments/projects/open book tests/closed book tests) **CA2:** Sincerity in attending classes/class tests/ timely submissions of assignments/self-learning attitude/solving advanced problems **TEE:** Term End Examination **TEP:** Term End Practical Exam (Performance and viva on practical skills learned in course) **CA3:** Regular submission of Lab work/Quality of work submitted/Active participation in lab sessions/viva on practical skills learned in course

Content:

Sr. No.	Topics	Teaching Hrs.	Module Weightage
1.	Land market dynamics Concept, Scope, Principles, Land Use and Land Value, Parameters of Land dynamics market mechanism and land use pattern, Land use restriction; compensation and acquisition, Urbanization and land price speculations	9	10
2.	Land economics Economics and Principles of land use, Development of land and real properties, Land Development charges and betterment levy PPP in urban land development & case studies	14	25
3.	Land policies and practices and techniques Policy: Concept, Need, Objective, Significance, Factor influencing location decision, Analysis of location of specific land use like residential- industrial commercial and institutional in intra-regional as well as inter regional level Case studies of various land use policies and practices at national, state , district and settlement level, Land acquisition and land pooling techniques.	16	30

PE-I : Programme Elective-I

W.e.f. AY 2021-22

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4.	Legal aspects Town planning Acts, Origin, Objectives and applications. Building Byelaws s- Formations, Provisions and implications. Impacts on real estate developments	15	35
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Suggested Specification table with Marks (Theory/Practical):

% Distribution of Marks					
R Level	U Level	A Level	N Level	E Level	C Level
20	30	20	10	10	10

Legends: R: Remembrance, **U:** Understanding; **A:** Application, **N:** Analyze, **E:** Evaluate **C:** Create and above Levels (**Revised Bloom's Taxonomy**)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Text Books:

Sr no	Title of book /article	Author(s)	Publisher and details like ISBN	Year of publication	Publication Edition
1	"Urban Land Markets: Improving Land Management for Successful Urbanization	Somik V. Lall	Springer	2009	1 st
2	Environmental Land use planning and Management	John Randolph	Island Press	2003	2 nd
3	Urban Land use Planning	Philip R. Berke	Philip R. Berke	2006	5 th
4	Urban Land Markets: Improving Land Management for Successful Urbanization	Somik V. Lall	Springer ISBN-13 : 978-1402088612	2009	10 th
5	Urban Land and Sustainable Development	Yehua Dennis Wei	Shu-Kun Lin ISBN 978-3-03842-261-7	February 2017	-

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Course Outcome:

Sr. No.	CO Statement After learning this subject, students will be able to	Marks % weightage
CO-1	To understand the significance of Urban Land Management in developing Countries. (R, U – Cognitive level)	20
CO-2	To postulate the dynamics of the Urban Land market. (U, N – Cognitive level)	20
CO-3	To study land management techniques. (R, U, N, A –Cognitive level)	20
CO-4	To study legal aspects of development and their impacts on real estate development. (R, U, N, A, C –Cognitive level)	20
Co - 5	TO understand the policies of the land market and its impact on real estate. (R, U, N, A, C –Cognitive level)	20

LIST OF PRACTICALS: (Minimum ----- performed.)

- 1) Study features of Cartography images
- 2) Delineation of study area by QGIS
- 3) Image data sources and image acquisition
- 4) Preliminaries of mapping and CRS (Co-ordinate system - Georeferencing)

Major Equipment:

1. Computers with higher configuration, internet and server.

List of Open Source/learning website:

- Land Acquisition Act- dolr.nic.in/hyperlink/acq.htm
- Urban Land (Ceiling & Regulation) Repeal Act, 1999-moud.gov.in/files/pdf/ulcrra_1999
- The Urban Land (Ceiling and Regulation) Act, 1976- indiankanoon.org/doc/1005850
- SAS planet (open source license)
- JASP (open source license)

List of Open Source Software:

Quantum GIS (open source license)
Google Earth Pro
SW Maps or Geo tracker (Android based application)