

Master of Technology

Town and Country Planning

M. Tech. – I Semester - I

Subject Name: Housing and Policy Planning (Studio)

Subject Code: MTTC13102

Type of course:	Core-II
Prerequisite:	Basic knowledge of building bye laws, Building and town planning concepts, planning terminology, operations using CAD and word processing software
Rationale:	The course helps developing understanding on Mass Housing planning practices and procedures, Housing Scenario, Urbanization Pressure, Housing Shortage, Cluster Standard, and Housing Scheme for various Income Group running across the need for modification so as to facilitate infrastructure and other amenities; Physical Planning Process using Neighbourhood Concept, significance of climate change and its various criteria
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.	Urban housing Housing forms, problems, shortage, growth, urbanization pressure, quantitative, and qualitative aspects, Housing scenario	9	20
2.	Housing for mass and urban poor Housing Evaluation for urban Poor, Aerial and cluster standards, materials, social amenities and services, locational parameters, Policies. Mass housing schemes, Slum theories, up gradation and relocation issues of slum dwellers, site & service schemes	14	20
3.	Housing policies & finance Housing policies, Co-operative housing, Role of private and public sectors, financing institutes and their role, Housing Boards, HUDCO, NHB, Residex, Housing demand models, Housing market analysis.	15	30

Core-II

Master of Technology

Town and Country Planning

4.	Planning of residential areas Household and housing, housing requirement for different sections of society, building bylaws, housing projects layouts, Neighbourhood, Plan preparation, other amenities, housing norms, mass housing, Housing for different climatic conditions, institute housing.	16	30
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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	30	5	5	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 Housing & Slums	A.K. Jain	Readworthy Publications Pvt Ltd ISBN-10 8189973894	1 st December 2009	1 st
2	Affordable Housing: Cost-efficient Models for the Future	Sandra Hofmeister	ISBN-10 : 3955534480	3 rd December 2018	1 st
3	Neighborhood Policy & Planning (Politics of Planning Series)	Phillip L. Clay (Editor), Robert M. Hollister	Lexington Books ISBN-10 : 9780669069365	1 st July 1983	1 st
4	Urban Land Use Planning	Philip R. Berke, David R. Godschalk	University of Illinois Press ISBN-13 978-0252030796	27 th March 2006	5 th

Core-II

Master of Technology

Town and Country Planning

5	Mass Housing:	Miles Glendinning	Bloomsbury Visual Arts ISBN-13 : 978- 1474229272	22 nd April, 2021	-
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Course Outcome:

Sr. No.	CO Statement After learning this subject, students will be able to	Marks % weightage
CO-1	Investigate and analyse the nature of housing problem in India. (R, U – Cognitive level)	20
CO-2	Examine the housing policy and programmes in India.(U,N – Cognitive level)	20
CO-3	Examine the programmes in India. .(U,N – Cognitive level)	10
CO-4	Understand Mass Housing Planning Practice and Procedure as well as exposure regarding various Housing policies, DCR. .(U,R,N,A,C – Cognitive level)	20
CO-5	Study Financial aspect and housing pattern according to climatic condition.(U,R,N,A – Cognitive level)	30

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

Prepare lay-out plan for selected site of Neighbourhood planning with considering aspects and norms followed by URDPFI, TCPO and building bye-laws - Neighbourhood planning practice will be carried out

Major Equipment:

1. Computers with higher configuration, internet and server.

List of Open Source Software/ Websites:

- CAD drafting tools, Google Earth, Google SketchUp Pro
- The World Bank (<https://publications.worldbank.org/>)
- National Housing Bank (www.nhb.org.in)
- HUDCO (www.hudco.org)
- Gujarat Housing Board (www.gujarathousingboard.org)
- UPlan is a simple rule based urban growth model intended for regional or county level modeling (<http://ice.ucdavis.edu/doc/uplan>) (<http://ice.ucdavis.edu/doc/uplan/download>)
- UCDAVIS (<http://ultrans.its.ucdavis.edu/projects/improved-data-and-toolsintegrated-land-use-transportation-planning-california>)
- Free or open source home design software(<http://superuser.com/questions/64338/free-or-open-source-home-design-software>)