

SYLLABUS FOR THE BATCH FROM YEAR 2025 TO 2026

FOR

**Certificate/Diploma in
Human Settlements**

(Credit Based Evaluation and Grading System)

Semester: I-II

EXAMINATIONS: 2025-2026

The Certificate/Diploma Programme Offered:

- **Certificate Course in Human Settlements (6 Months duration)**
- **Diploma in Human Settlements (6+6 = 12 Months duration)**



Program Outcomes:

- **Fundamental Knowledge of Urban Systems:** Students will gain an understanding of human settlements, their evolution, characteristic features, spatial morphology, demographic structures, relevance of regional development in relation to human settlements and its infrastructure.
- **Enhanced Analytical Skills** – The Program focuses on advancing a Students' knowledge and analytical skills to frame apt solutions to challenges in Human Settlements.
- **Career Readiness & Employability** – The Program prepares for careers as Urban Planners, Sustainability Consultants, Policy Analysts and Community Development Professionals.

**Name of Department: Guru Ramdas School of Planning
In collaboration with**

Directorate of Open & Distance Learning and Online Studies

**GURU NANAK DEV UNIVERSITY
AMRITSAR**

Certificate/Diploma in Human Settlement Offered by Department of Guru Ramdas School of Planning in Collaboration with Directorate of Open & Distance Learning and Online Studies, Guru Nanak Dev University Amritsar.

Eligibility:

- +2 in any stream or equivalent
- Any student doing Bachelor Degree, Master Degree, M.Phil., Ph.D. from GNDU.

SEMESTER-I

Course Code	Course Title	Marks			Credits
		Internal Assessment	End Term	Total	
ODHS111T	Evolution of Settlements	30	70	100	4
ODHS112T	Morphology of Human Settlements	30	70	100	4
ODHS113T	Demography	30	70	100	4
ODHS114P	Project Report	100	---	100	4
Total Marks & Credits		190	210	400	16

SEMESTER-II

Course Code	Course Title	Marks			Credits
		Internal Assessment	End Term	Total	
ODHS211T	Transport Systems	30	70	100	4
ODHS212T	Regional Development	30	70	100	4
ODHS213T	Infrastructure	30	70	100	4
ODHS214P	Project Report	100	---	100	4
Total Marks & Credits		190	210	400	16

(Semester-I)

Course Title: Evolution of Settlements

Course Code: ODHS111T

Time: 03 Hours

Max. Marks: 100 Marks

Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of **Four sections**.
2. Paper setter shall set **Eight questions** in all by selecting **Two questions** of equal marks from each section. However, a question may have sub-parts (not exceeding four sub- parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt **Five questions** in all, by at least selecting **One question** from each section and the **5th question** may be attempted from any of the **Four sections**.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus.

SECTION A

Origin of Human Settlements, place making in history from caves to agrarian society, agricultural surplus, economic diversification and urbanization.

SECTION B

Ancient Classical Civilizations: Indus Valley Civilization, Greek, Roman, Egyptian and Mesopotamian Civilizations: case studies.

SECTION C

Towns in Medieval Europe, Impacts of Renaissance and Industrial Revolution on Towns: case studies, Medieval Towns in India: case studies.

SECTION D

Cities during British colonialism in India, Infrastructure built by the British, Post Independence Modern Cities: case studies, Issues of urbanization.

Course Outcomes:

- The learners will be acquainted with the economic circumstance that caused urbanisation.
- Students will be able to know various geographical, historical, socio-cultural, technological factors that shape our cities.
- The students will develop a spatial perspective about cities to comprehend the placement of various city components.

Suggested Readings:

1. Peter Hall, (2014) Cities of Tomorrow: An Intellectual History of Urban Planning and Design Since 1880, Wiley and sons, Hoboken.
2. S. Fainstein, (2012) Readings in Planning Theory, 3rd Edition, Blackwell Publishing, Oxford.
3. Peter Hall, (2002) Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the 21st Century, Blackwell Publications, Oxford.
4. S. Ward, (2002) Planning the Twentieth Century City, The Advanced Capitalist World, John Wiley & Sons, Chichester.

5. P. Hall, (1998) Cities in Civilization; Culture, Technology and Urban Order, Weidenfield and Nicolson, London.
6. R. Nath, (1995) Medieval Indian History and Architecture, APH Publishing Pvt. Ltd, New Delhi.
7. Kevin Lynch, (1981) A Theory of Good City Form, Cambridge Publications, London.
8. A. Gallion, (1963) The Urban pattern; City Planning and Design, D.V. Nostrand Company Inc, N.York.

(Semester–I)

Course Title: Morphology of Human settlements

Course Code: ODHS112 T

Time: 03 Hours

Max. Marks: 100 Marks

Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of **Four sections**.
2. Paper setter shall set **Eight questions** in all by selecting **Two questions** of equal marks from each section. However, a question may have sub-parts (not exceeding four sub- parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt **Five questions** in all, by at least selecting **One question** from each section and the **5th question** may be attempted from any of the **Four sections**.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus.

Course Objectives:

- To have a basic understanding of urban morphology structure and pattern of cities
- To identify and understand factors that are affecting the human settlement and causes behind it

SECTION A

Defining urban morphology, factors affecting human settlement – natural and built environment. Theories of urban morphological structure, shape and form

SECTION B

structure, function and forms of urban settlement, various development stages that town passes given by different authors, types and pattern of cities – linear, ring radial, grid etc

SECTION C

Image of Cities given by Kevin Lynch –Streets- Paths, edges, districts, landmarks and nodes, precincts with examples, Theories of urban morphology – concentric zone theory, sector theory, multi nuclei theory, rural urban fringe, core – periphery models

SECTION D

Case studies of morphology of Indian cities during various periods like ancient cities, medieval, British and Post British examples. International examples like Copenhagen, Mumbai, Chandigarh, New Delhi, Washington ,etc depending on their shape.

Course Outcomes:

- By the end of the course, the students should be able to conceptualize about various structure, pattern of cities across the globe and apply them practically

- The students will learn to analyze various concepts and types of settlement morphology around them.

Suggested Readings:

1. Ellin, N. (1999). "Postmodern Urbanism", Princeton Architectural Press, New York.
2. Fainstein, S. (2012). "Readings in Planning Theory", 3rd Edition, Blackwell Publishing, Oxford.
3. Freestone, R. (2000). "Urban Planning in a Changing World", E&FN SPON, London.
4. Hall P, (1998). "Cities in Civilization; Culture, Technology and Urban Order", Weidenfield and Nicolson, London.
5. Hall P. (2014). "Cities of Tomorrow: An Intellectual History of Urban Planning and Design Since 1880", Wiley and sons, Hoboken.
6. Gallion, A. (1963). "The Urban pattern; City Planning and Design", D.V. Nostrand Company Inc, N.York.
7. Lynch, K. (1981). "A Theory of Good City Form", Cambridge Publications, London.
8. Nath, R. (1995). "Medieval Indian History and Architecture", APH Publishing Pvt. Ltd, New Delhi.
9. Stein, M. J. (1995). "Classic Readings in Urban Planning", McGraw-Hill, New York
10. Ward, S. (2002). "Planning the Twentieth Century City", The Advanced Capitalist World, John Wiley & Sons, Chichester.

(Semester-I)

Course Title: Demography

Course Code: ODHS113T

Time: 03 Hours

Max. Marks: 100 Marks

Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of **Four sections**.
2. Paper setter shall set **Eight questions** in all by selecting **Two questions** of equal marks from each section. However, a question may have sub-parts (not exceeding four sub- parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt **Five questions** in all, by at least selecting **One question** from each section and the **5th question** may be attempted from any of the **Four sections**.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus.

Section – A

Origin, Definition, Nature and Scope of Demography, Population structure & Composition: Age, Sex, Re Literacy, Fertility, Language, Death Rate, Birth Rate, Family, population pyramids.

Section – B

Sources of Demographic Data-Census, Vital Registration System, Population Register and Sample Surveys, Population Scenario of India-History of population growth-Population size and growth in states

Section – C

History of population growth in world -Primitive Society, Pre-Industrial Society, Developing and Developed Societies, Population explosion

Section D

Migration and Urbanization – Types of migration, factors affecting migration, causes and consequences of urbanization, Ageing: Concept, Trends in aged population in developed and developing countries with special reference to India

Course Outcome

After completing this introductory course in Demography student will learn the definition and scope of Demography, the data structure of Demography and sources of data are discussed in great detail. The various demographic events that play important role in population growth and composition are also discussed. Historical perspectives of the changes in population and of the demographic events are also included in this course.

Suggested Readings:

1. Bhende, Asha A, and Kanitkar, Tara. 1993. Principles of Population Studies, Bombay:Himalaya, Publishing House.
2. United Nations, 1982. Population of India, Country Monograph, Series No.10, Bangkok..

Economic and Social Commission for Asia and the Pacific.

3. Bhatia, H.S. 1983. Aging and Society, Udaipur: The Arya's Book Centre Publishers
4. Krishnan, P and Mahadevan, K. 199 1. Elderly Population Today: Policies, Problems and Perspectives, Delhi: B.R.Publishing House.
5. Mishra, B.D., 1980. An Introduction to the study of Population. Madras: South Asian Publishers

(Semester-I)

Course Title: Project Report

Course Code: ODHS114P

Max. Marks: 100 Marks

Credit-4

Each student shall be assigned a theme to write a report on the basis of the courses carried out during the semester. He/she will have to select the theme in confirmation with the Course Coordinator and write the report by the end of the semester and submit accordingly to the Course Coordinator.

Course Title: Transport Systems

Course Code: ODHS211T

(Semester–II)

Time: 03 Hours

Max. Marks: 100 Marks

Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of **Four sections**.
2. Paper setter shall set **Eight questions** in all by selecting **Two questions** of equal marks from each section. However, a question may have sub-parts (not exceeding four sub- parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt **Five questions** in all, by at least selecting **One question** from each section and the **5th question** may be attempted from any of the **Four sections**.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus.

SECTION A

Historical background of urban passenger transport systems; Public transport systems characteristics in cities of various sizes and socio-economic settings; Landuse-transport integration; Classification of public transport systems

SECTION B

Characteristics and requirements of road based mass transit system; Feasibility of road based mass transit system; Network, routing, and terminal planning for road based mass transit system

SECTION C

Characteristics and requirements of para transit system; Feasibility of para transit system; Network, routing, and terminal planning for para transit system; Road based mass and para transit integration

SECTION D

Characteristics and requirements of rail based mass transit system; Feasibility of rail based mass transit system; Network, routing, and terminal planning for rail based mass transport system.

Course Outcomes: Upon the completion of this course, the students would be able to understand the importance of public transport in the current transport system.

Suggested Readings:

1. Kadiyali, L. R. (2014) Traffic engineering and transport planning. Khanna Publishers. New Delhi.
2. Kanda, Arun and Others. (2002). Transportation systems: status and directions. Phoenix Publishing House Pvt. Ltd. New Delhi.

Course Title: Regional Development

Course Code: ODHS212T

(Semester–II)

Time: 03 Hours

Max. Marks: 100 Marks

Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of **Four sections**.
2. Paper setter shall set **Eight questions** in all by selecting **Two questions** of equal marks from each section. However, a question may have sub-parts (not exceeding four sub- parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt **Five questions** in all, by at least selecting **One question** from each section and the **5th question** may be attempted from any of the **Four sections**.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus.

Course Objectives: This subject aims to introduce regional development to students by focusing on the idea of a region, its types and techniques, regional imbalances, its causes and need for regional development.

Section A

Region- concept, definition, need and importance, objective, types of regions and their characteristics.

Section B

Techniques of delineating region- flow of analysis, gravitational analysis, weightage index method; Regional Imbalances – causes and impacts; Determinants of regional disparities and significance of Regional Development.

Section C

Regional networks – its importance, rail, road, irrigation, power, markets, Regional surveys and its importance, type of surveys – physical, social, socio-economic, transport network

Section D

Five-Year Plans: Features, achievements, and failure, Role of 73rd and 74th Constitution Amendment Acts, Selected case study of regional development – National Capital region, profile, issues and strategies

Course Outcomes: Upon the completion of this course, the students will be able

- To integrate various aspects of urban and rural areas.
- To understand the aspects of regional development with the help of illustrations given to them.

Suggested Readings:

1. Aggarwal, S.K., (2007), “Regional Development and Planning in India”, Concept Publishing Company, New Delhi.

2. Chand, Mahesh and Puri, V.K. (1983), "Regional Planning in India", Allied Publications, New Delhi
3. Chaudhari, Roy, Jayasri, (2001), "An Introduction to Development and Regional Planning", Orient Longman, Hyderabad
4. E. L. Birch, (2009), "The Urban and Regional Planning Reader," 1st ed., Routledge, London,
5. G. Bhargava, (2001), "Development of India's Urban, Rural, and Regional Planning in 21st Century: Policy Perspective," Gyan Publishing House, New Delhi
6. Misra, R.P. (1992), "Regional Planning: Concepts, Techniques, Policies and Case-Studies", Concept Publisher, New Delhi.
7. M. Chand and V. K. Puri,(2011), "Regional Planning in India," Allied Publ., New Delhi.
8. Shekhar, Sudhanshu, (2004), "Regional Planning in India (Set of two vols.)", Anmol Publications Pvt. Ltd., New Delhi.
9. Shukla, Amitabh, (2000)" Regional Planning and Sustainability Development" Kanishka Publisher Distributors, New Delhi.

(Semester–II)

Course Title: Infrastructure

Course Code: ODHS213T

Time: 03 Hours

Max. Marks: 100 Marks

Internal Assessment: 30 Marks

End Term: 70 Marks

Instructions for the Paper-Setter/examiner:

1. Question paper shall consist of **Four sections**.
2. Paper setter shall set **Eight questions** in all by selecting **Two questions** of equal marks from each section. However, a question may have sub-parts (not exceeding four sub- parts) and appropriate allocation of marks should be done for each sub-part.
3. Candidates shall attempt **Five questions** in all, by at least selecting **One question** from each section and the **5th question** may be attempted from any of the **Four sections**.
4. The question paper should be strictly according to the instructions mentioned above. In no case a question should be asked outside the syllabus.

Course Objective:

- To familiarize the students about various types of infrastructure and their issues /challenges.
- To aware the students about various urban planning efforts for the provision of infrastructure within the settlements.

Section – A

Infrastructure- Definition types and objectives; General problems/ Challenges of infrastructure; Significance of infrastructure in urban and rural areas.

Section – B

Physical Infrastructure: Water supply System; Quantity of water assessment for various land uses; Drainage system; Solid waste management ; Rain water harvesting, reuse and recycling of water.

Section – C

Social Infrastructure: Social infrastructure, need and importance; Significance of education and health infrastructure in planning; Locating education and health facilities.

Section – D

Understanding the role of various schemes and organizations in provision of infrastructure; Nature and content of infrastructure in development plans; Best practices in Indian context.

Course Outcomes: Upon the completion of this course, the students would be able to:

- Understand the types, problems and issues related to infrastructure and its provision in the settlements.
- Demonstrate the knowledge about planning guidelines to tackle infrastructure problems.

Suggested Readings:

1. Goodman, A. and Hartak, M. (2000) Infrastructure Planning Handbook, ASCE Press, Reston, VA.

2. Gifford, J.W. Uzarski, D.R. and McNeil, S. (1993) Infrastructure Planning and Management, American Society of Civil Engineers, Reston, VA.
3. Hudson, W.R., Hass, R.C.G. Uddin, W. (1997) Infrastructure Management, McGraw Hill, London.
4. Ministry of Urban Affairs & Employment (G.O.I.) (2014). Urban & Regional Development Plans Formulation and Implementation Guidelines, ITPI, New Delhi.
5. Ministry of Urban Development (2011). Report on Indian Urban Infrastructure and Services. The High Powered Expert Committee (HPEC) for Estimating the Investment Requirements for Urban Infrastructure Services, Government of India.
6. Ministry of Urban Development (2011). Report on Indian Urban Infrastructure and Services. The High Powered Expert Committee (HPEC) for Estimating the Investment Requirements for Urban Infrastructure Services, Government of India.
7. Rao, Pratap M.(2019) Urban Planning Theory and Practice, CBS Publishers and Distributors, New Delhi.

(Semester–II)

Course Title: Project Report

Course Code: ODHS214P

Max. Marks: 100 Marks

Credit–4

Each student shall be assigned a theme to write a report on the basis of the courses carried out during the semester. He/she will have to select the theme in confirmation with the Course Coordinator and write the report by the end of the semester and submit accordingly to the Course Coordinator.