

Tutorial exercises will include discussion of specific readings, presentations with specific reference to SDG 2: Zero Hunger

Readings:

- FAO. 2022. The State of Food Security and Nutrition in the world, accessed from <https://www.fao.org/publications/sofi/2022/en/>
- M.S. Swaminathan, 2016, Combating Hunger and Achieving Food security, Cambridge University Press, Delhi
- FAO, 2015, Climate change and food security: risks and responses, accessed from <https://www.fao.org/3/i5188e/I5188E.pdf>
- Zhang-Yue Zhou, 2019, Global Food Security What Matters? Routledge, New York
- John Krebs, 2013, Food a very Short Introduction, Oxford
- Sanjeev Kumar, 2020, The State of Indian Agriculture: Agricultural Productivity, Food Security and Climate Change, SAGE Publications Pvt Ltd, New Delhi
- FAO Food security and sovereignty accessed from <https://www.fao.org/3/ax736e/ax736e.pdf>
- World Bank Group, 2018, Atlas of Sustainable Development Goals 2018 From Development Indicators accessed from <https://documents1.worldbank.org/curated/en/590681527864542864/pdf/126797-PUB-PUBLIC.pdf>
- The National Food Security Act, 2013, Professional Book Publishers, Delhi
- A Human Development and Capability Approach to Food Security: Conceptual Framework and Informational Basis | United Nations Development Programme (undp.org). Accessed from: <https://www.undp.org/africa/publications/human-development-and-capability-approach-food-security-conceptual-framework-and-informational-basis>

GENERAL ELECTIVE – GEOGRAPHY OF SETTLEMENTS (GE 21)

Course title & Code	Credits	Duration (per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/ Practice		
Geography of Settlements (GE 21)	4	3	1	0	Class 12th	NIL

Learning Objectives: The Course addresses SDG 11 Sustainable cities and communities
The Learning objectives of this course are as follows:

- To introduce the concept of settlement system, geographical linkages and hierarchy. **26**

- To analysis the geographical factors affecting the human settlement in the world
- To understand function, types and pattern of rural and urban settlements.
- To conceptualise the new trends in settlements system.

Learning outcomes:

After completion of this course students will be able to:

- Classify settlement and understand their hierarchy.
- Examine relationship between different factors and human settlements
- Elaborate the overview of various aspects of rural and urban settlements.
- Get insight into contemporary concepts of settlements.

Course Outline:

- **Unit-1 Introduction (15 hours):** Geographical aspects of Settlement System; Ekistics theory of human settlement , Central Place Theory.
- **Unit-2 Origin and evolution of human settlements (15 hours):** From Ancient to Contemporary; Types and patterns of rural settlements,
- **Unit-3 Urban Settlements (15 hours):** Classification on basis the of Age, function and population size; Social and environmental issues in metropolitan cities, and Changing urban morphology and skyline in 21st century.
- **Unit-4 Contemporary programmes (15 hours):** Review and analysis of Smart City, GIFT city programmes- components and examples, Review of Saansad Adarsh Gram Yojana (SAGY) wit examples

Tutorial Exercises

Tutorial exercises will include discussion of specific readings, presentations with specific reference to SMART city and GIFT City

Readings:

- Bansal, S.C. (2010) Urban Geography, Meenakshi Prakashan, Meerut.
- Carter, H. (2010) The Study of Urban Geography, Arnold Publishers, London.
- Doxiadis, C.A. (1970) “Ekistics, the Science of Human Settlements” Science, 170(3956): 393-404.
- Ghosh, S (1998) Introduction to Settlement Geography, Orient Longman Ltd., Calcutta.
- Government of India, (2014) Saansad Adarsh Gram Yojana (SAGY) Guidelines, Department of Rural Development, Ministry of Rural Development.
- Hill, M. (2003) Rural Settlement and the Urban Impact on the Countryside, Hodderb & Stoughton, London.
- Hudson, F.S. (1948) “A Geography of Settlements” Macdonald &Evans Ltd., London.
- Mondal, R.B. (2000) Urban Geography: A Text Book, Concept Publications, New Delhi,
- Mondal, R.B. (2001) Introduction to Settlement Geography, Concept Publications, New **27**

Delhi.

- Morya, S.D. (2020) Adhiwas Bhogal, Sharad Pustak.
- Pacione, M (2001) Urban Geography: A Global Perspective, Routledge, New York
- Ramachandran, R. (2010) Urbanisation and Urban Systems of India, Oxford University Press, New Delhi.
- Rao, B.P. and Sharma, N (2007) Nagariya Bhoogal, Vasundhara Prakashan, Gorakhpur.
- Singh, R.Y. (2009) The Geography of Settlement, Rawat Publication, New Delhi.
- Singh, R.L., Singh, K. N. and Singh, Rana P.B., (eds.) (1975) Readings in Rural Settlement Geography, National Geographical society of India, Varanasi. S

Web link:

https://rural.nic.in/sites/default/files/SAGY_Guidelines_English.pdf

http://nir+dpr.org.in/nird_docs/sagy/sankalan-part1.pdf

GENERAL ELECTIVE – DYNAMICS OF URBAN SYSTEMS (GE 22)

Course title & Code	Credits	Duration (Hrs per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/ Practice		
Dynamics of Urban Systems	4	3	1	0	Class 12th	NIL

Learning Objectives: The Course addresses SDG 11 Sustainable cities and communities. It aims specifically

- To critically understand the complexities of urban systems in the global context.
- To Learn about the broad range of Physical System Dynamics global cities face today.
- To provide a understanding of transformations cities are going through.
- To explore the future perspectives of urban development.

Learning Outcomes:

- Students will learn historical context of urban system and hierarchies.
- The learning about urban growth dynamics of sprawl, spatial segregation and linkages.
- Understanding the digital and ecological transformations in cities.
- Learn about the urban development modelling.
- Understand futuristic urbanization, effective planning and policy interventions.