

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 21<sup>st</sup> 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, Hodder & 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](https://rural.nic.in/sites/default/files/SAGY_Guidelines_English.pdf)

[http://nir+dpr.org.in/nird\\_docs/sagy/sankalan-part1.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.