

Semester 1
Disaster Management

GEO-GE-1Th

Full Marks : ~~30~~ 50 *anti*
24.2.21

Part	Particulars	Marks
A	10 Objective type question (MCQ/True-False/Fill in the blanks etc.) for 2 marks each.	$10 \times \frac{1}{2} = 20$ 10 <i>anti</i> 24.2.21
B	08 Short answer (250 words) type questions, of which 04 have to be answered for 5 marks each.	$4 \times 5 = 20$
C	04 questions for long answer (400 words) type, of which 02 have to be answered for 15 marks each.	$2 \times \frac{10}{15} = 30$ 20 <i>anti</i> 24.2.21
TOTAL MARKS		30 50 <i>anti</i> 24.2.21

Learning Outcome:

After the completion of course, the students will have ability to:

1. Gain a perspective of disasters and various dimensions of disaster management
2. Have comprehensive knowledge of various natural and manmade disasters in India
3. Examine the response and mitigation measures of disasters

Course Content:

1. Disasters: Definition and Concepts; Risk and Vulnerability; Classification
2. Disasters in India: (a) Flood: Causes, Impact, Distribution and Mapping; Landslide: Causes, Impact, Distribution and Mapping; Drought: Causes, Impact, Distribution and Mapping
3. Disasters in India: (b) Earthquake and Tsunami: Causes, Impact, Distribution and Mapping; (c) Cyclone: Causes, Impact, Distribution and Mapping.
4. Manmade disasters: Causes, Impact, Distribution and Mapping
5. Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During and Post-disasters.

References:

1. Government of India, (2008): *Vulnerability Atlas of India*. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
2. Govt. of India, (2011): *Disaster Management in India*, Ministry of Home Affairs, New Delhi.

anti
13.2.21

Semester II
Rural Development

Full Marks : 50

Q.E. 27th Feb
7.8.23

Particulars	Marks
10 objective type question (MCQ/True-False/Fill in the blanks) each for 2 marks each.	$10 \times 2 = 20$
04 short answer (250 words) type questions, of which 04 have to be answered for 5 marks each.	$4 \times 5 = 20$
02 questions for long answer (400 words) type, of which 02 have to be answered for 15 marks each.	$2 \times 10 = 20$
TOTAL MARKS	50

Learning Outcomes:

- On the completion of course, the students will have ability to:
1. Appreciate the concepts, needs and various approaches to rural development;
 2. Understand the strong economic bases of rural areas of India;
 3. Appreciate the area based and target group based approaches and provision of services to rural development.

Course Content:

1. Defining Development: Inter-Dependence of Urban and Rural Sectors of the Economy; Need for Rural Development, Gandhian Approach of Rural Development.
2. Rural Economic Base: Panchayati Raj System, Agriculture and Allied Sectors, Seasonality and Need for Expanding Non-Farm Activities, Co-operatives, PURA.
3. Area Based Approach to Rural Development: Drought Prone Area Programmes, PMGSY.
4. Target Group Approach to Rural Development: SJSY, MNREGA, Jan Dhan Yojana and Rural Connectivity.
5. Provision of Services – Physical and Socio-Economic Access to Elementary Education and Primary Health Care and Micro credit

References:

1. Anand, Subhash.,(2013): *Dynamics of Rural Development*, Research India Press, Delhi
2. Galp, A. W., (1985): *An Introduction to Rural Geography*, Edwin Arnold, London.
3. Prithnamurthy, J.,(2000): *Rural Development - Problems and Prospects*, RawatPubs., Jaipur
4. Lee, D. A. and Chaudhri, D. P., (eds.)(1983): *Rural Development and State*, Methuen,

7.8.23

Part	Particulars	Marks
A	10 Objective type question (MCQ True-False/Fill in the blanks etc.) for 2 marks each.	$10 \times 1 = 10$
B	08 Short answer (250 words) type questions, of which 04 have to be answered for 5 marks each.	$4 \times 5 = 20$
C	04 questions for long answer (400 words) type, of which 02 have to be answered for 15 marks each.	$2 \times 10 = 20$
TOTAL MARKS		50

Learning Outcome:

After the completion of course, the students will have ability to:

1. Understand the foundational concepts of climate change and its impacts.
2. Assess the human and environmental vulnerability to climate change.
3. Learn the various adaptation and mitigation for reducing the impacts of climate change and national action plan.

Course Content:

1. Climate Change: Understanding Climate Change; Greenhouse Gases and Global Warming; Global Climatic Assessment- IPCC
2. Climate Change and Vulnerability: Physical Vulnerability; Economic Vulnerability; Social Vulnerability
3. Impact of Climate Change: Agriculture and Water; Flora and Fauna; Human Health
4. Adaptation and Mitigation: Global Initiatives with Particular Reference to South Asia.
5. National Action Plan on Climate Change; Local Institutions (Urban Local Bodies, Panchayats)

References:

1. IPCC(2014): Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
2. IPCC (2007): Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the

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Semester IV

Sustainable Resource Development

GEO-GE-4Th

FullMarks : 50

Part	Particulars	Marks
A	10 Objective type question (MCQ/True-False/Fill in the blanks etc.) for 2 marks each.	$10 \times 1 = 10$
B	08 Short answer (250 words) type questions, of which 04 have to be answered for 5 marks each.	$4 \times 5 = 20$
C	04 questions for long answer (400 words) type, of which 02 have to be answered for 15 marks each.	$2 \times 10 = 20$
TOTAL MARKS		50

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand difficulties in defining the components of sustainable development;
2. Distinguish the patterns of regional development of the world and the need for sustainable development plan;
3. Appreciate the efforts and initiatives of the Governments in reducing the levels of poverty and inequality among the people of various countries.

Course Content:

1. Sustainable Resource Development: Definition, Components and Limitations
2. The Millennium Development Goals: National Strategies and International Experiences
3. Sustainable Regional Development: Need and examples from different Ecosystems.
4. Inclusive Development: Poverty and Inequality; Education, Health; Climate Change: The role of higher education in sustainable resource development; The Challenges of Universal Health Coverage,
5. Sustainable Development Policies and Programmes: The proposal for SDGs at Rio+20; SDGs; Goal-Based Development; Financing for Sustainable Development; Principles of Good Governance; National Environmental Policy, CDM.

References:

1. Agyeman, Julian, Robert D. Bullard and Bob, Evans., (Eds.) (2003): *Just Sustainabilities: Development in an Unequal World*. London: Earthscan. (Introduction and conclusion.).
2. Ayers, Jessica and David, Dodman., (2010): "Climate change adaptation and development: the state of the debate". *Progress in Development Studies* 10(2):161-