

DSE 4 Credits

Marks 60

GG-DSE-17601

Title: Fundamentals of Disaster Management

Credit-I:

- 1) Meaning and Definition- Hazard and Disaster
- 2) Meaning & Definition of Disaster Management
- 3) Elements of Disaster Management
- 4) Significance of Disaster Management

Credit-II:

- 1) Geo-Physical Disasters
- 2) Hydro-meteorological Disasters
- 3) Man-made Disasters

Credit-III:

- 1) Disaster Vulnerability
- 2) Disaster Risk
- 3) Disaster Mitigation
- 4) Disaster Preparedness

Credit-IV:

- 1) Disaster Management Cycle
- 2) Response Phase
- 3) Recovery Phase
- 4) Reconstruction and Rehabilitation Phase

Suggested Readings

1. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K
2. Carter, W. Nick, 1991: Disaster Management, Asian Development Bank, Manila
3. Firefly Guide to Global Hazards, Robert Louis Kovach, Bill McGuire, Firefly Books, 2004
4. H.K. Gupta (2003) Disaster management
5. David Etkin (2014) Disaster Theory, Elsevier

B.A./B.Sc. 6th Semester

DSE 4 Credits

Marks: 60

GG-DSE-17602

Title: Field Techniques & Survey Based Project Report

Credit – I

- 1) Relevance of Geomorphic Field-studies in Geography
- 2) Relevance of Socio-Economic Field-studies in Geography
- 3) Selection of Study-area
- 4) Selection of Geomorphic aspects and Socio-Economic Variables

Credit – II

- 1) Preparation of Questionnaire
- 2) Customization of Questionnaire
- 3) Conducting of Socio-Economic Field survey of sample Households with the Structured Questionnaire
- 4) Identification and Interpretation of Geomorphic Features in the field

Credit – III

- 1) Data: Types and Sources
- 2) Methods of Data Collection
- 3) Tabulation of Data for Preparation of Master-sheets
- 4) Analysis of Data.

Credit – IV

- 1) Report writing based on results of Geomorphic and Socio-Economic Field-survey, supplemented with Photographs, Maps and Diagrams

Suggested Readings:

1. Pal, S.K., Statistics for Geographers- Techniques and Applications, Concept, New Delhi, 1998.
2. Robinson, A.H et al., Elements of Cartography, John Wiley and Sons, U.S.A., 1995.
3. Sarkar, A.K., Practical Geography: A Systematic Approach, Oriental Longman, Calcutta, 1997.
4. Singh, R.L, and Dutt, P.K., Elements of Practical Geography Kalyani Publishers New Delhi, 1979.
5. Gopal Singh, Map World and Practical Geography; Vikas Publishing House 200. .

B.A./B.Sc. 6th Semester

B. Practical-2 Credits

Marks: 30

GGP-CR-17601

Title: GIS Application

Credit I.

- 1) Components of GIS
- 2) Spatial and Non-spatial Data
- 3) Geo-referencing of maps and Satellite data, Subset (6 exercises)

Credit II

- 1) Map digitization and attributes
- 2) Ground validation (one day field visit)
- 3) Field report

Suggested Readings:

1. Peter A. Burrough and Rachael A. Mc Donnell, Principles of GIS, Oxford University Press, 1998.
2. Pang C., Concepts And Techniques Of Geographic Information System, Pearson, 2000.