

PANJAB UNIVERSITY, CHANDIGARH

Outlines of tests, syllabi and courses of reading for Certificate Course in Disaster Management (Add on Course) for the examinations of 2012.

Course Structure

Course Code	Title of the Paper	Max. Marks
CCDM I	Fundamentals of Disaster Management Theory : 75 Practical : 25	100
CCDM II	Disasters in India Theory : 75 Practical : 25	100

CCDM I: Fundamentals of Disaster Management

Maximum Marks : 100
Theory Paper : 75
Practical : 25

Objectives: To introduce the students about basic concepts of various types of disasters and educate them on basic disaster management strategies.

Unit-I

- Definition and Concept of Hazard, Risk, Vulnerability and Disaster
- Types and classification of Disasters

Unit-II

- Nature Induced Disasters:
Earthquakes, Floods and Cyclones.
Avalanches, Forest Fire and Tsunami.

Unit-III

- Human Induced Disasters:
Nuclear, Chemical and Industrial Disasters
Global warming; Biological Disasters; Epidemics

Unit-IV

- Disaster Management: Meaning, Concepts, Approaches, Principles, Objectives and Scope
- Essentials of Disaster Management; Institutional and Individual's responsibilities during risk reduction, preparedness, response and recovery phases

Pedagogy:

Focus should be on observation, assessment and careful analysis of hazard prone areas to comprehend their vulnerability to disasters.

Note:

- a) There shall be one compulsory question containing 15 short type questions covering the whole syllabus. The student shall attempt any ten parts in about 25-30 words each. Each part shall carry 1.5 marks (15 marks).
- b) The whole syllabus shall be divided into 4 units. Eight questions will be set from the whole syllabus, two from each unit. The student will be required to attempt one question from each unit. Each question will carry 15 marks. This will be in addition to the compulsory question.

Practical:

1. A Visit to a school for vulnerability assessment.
2. A Visit to any Government Hospital to know their disaster management plan
3. A visit to one slum area in the City to assess and analyze risk.

Note:

1. Based on these visits, students should prepare a report containing the vulnerability assessment of a village, disaster management plan of a hospital and risks of disasters in a slum.
2. The report should be submitted two weeks before the exam. The report will be evaluated by a Board of Examiners consisting of the teacher teaching the course and one faculty member from the allied discipline.

References

1. B.K.Khanna (2005): *Disasters: All You Wanted to Know About*, New India Publishing Agency, New Delhi.
2. Bryant Edwards (2005): *Natural Hazards*, Cambridge University Press, U.K.
3. Chakraborty, S.C.(2007): **Natural Hazards and Disaster Management**, Pragatishil Prokashak, Kolkata.
4. Sahni, Pardeep et.al. (eds.) 2002, *Disaster Mitigation Experiences and Reflections*, Prentice Hall of India, New Delhi.

CCDM II: Disasters in India

Maximum Marks : 100
Theory Paper : 75
Practical : 25

Objectives: To introduce the students about the various disasters that have occurred in the recent past and their management in India.

Unit-I

- Regional Profile of India based on Earthquakes, Droughts, Floods and Cyclones.

Unit-II

- Disaster Management Frame in India
- National Level, including National Disaster Management Authority.
- State Authorities, Local Groups and Committees

Unit-III