

PANJAB UNIVERSITY, CHANDIGARH
(Estd. under the Panjab University Act VII of 1947- enacted by the Govt. of India)

FACULTY OF ARTS

SYLLABI

FOR

**POSTGRADUATE DIPLOMA
IN
DISASTER MANAGEMENT AND SECURITY
(SEMESTER SYSTEM)
EXAMINATIONS, 2014-2015**

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AFJAB FIVE Y CHAFDIGA H

Outlines of tests, syllabi and courses of reading for Postgraduate Diploma in Disaster Management and Security (Semester System) for the examinations of 2014-15.

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<u>Co</u>		<u>Int</u> <u>Ass</u>
<u>st r. I</u>		
Paper-I	Disaster Management – Conceptual Framework	80 20
Paper-II	Risk Factor, Crisis Management & Role of NGOs	80 20
Paper-III	Disaster Management Structure – Coordination & Response	80 20
Paper IV	Project report based on field study+Viva –voce Examination	40 + 10
<u>st r. II</u>		
Paper-V	Disaster Management – Relief and Rehabilitation	80 20
Paper-VI	War and Disaster Management	8

p r l D s s t r n n t C o n p t u F r o r

M. Marks : 100
Theory : 80 marks
Int. Ass. : 20 marks
Time : 3 hours

t v : - The course will provide general insight to underst

Books on

1. Bourriau, Janine; **Introduction to C++**. Cambridge University Press, Cambridge, 1992.
2. Carter, W. Nick; **Design and Analysis of Algorithms**. A.D.B., Manila, Philippines, 1991.
3. Coppola, P. Damon, **Introduction to Introduction to Design and Analysis of Algorithms**

Books on

1. Bawa, Noorjahan (ed.) **Disaster Management and Development for Rural Areas**, Kanishka Publishers, New Delhi, 1997.
2. Carter, W. Nick, **Disaster Management, A Disaster Response Handbook**, A.D.B., Manila, Philippines, 1991.
3. Cutter, Susan L. (Ed.): **Environmental Hazards** Prentice Hall, New Delhi, 1999.
4. Garlake, Teresa, **Disasters** Oxfam, Oxford, 2000.
5. Government of India, **Annual Report on Disaster Management**, CAPART, Government of India, New Delhi, 1994.
6. Government of India/United Nations Development, **Disasters in Rural Areas: Community Based Disaster Preparedness and Risk Reduction Through Participation of Committees and Local Self Governments**.
7. Kamta Prasad (ed.), **Disasters and Economic Development Opportunities** Deep and Deep Publications, New Delhi, 2000.
8. Meher Nanavaty and Kulkarni P., **Disasters and Community Response** Uppal Publishing House, New Delhi, 1998.
9. Modh Satish **Disasters and Disaster Management: How to Overcome the Potential**, McMillan India 2006.
10. Mukhopadhaya, A.K., **Disasters and Disaster Management: A Study of Legislation in Select Countries**, Newage International Publications, New Delhi, 2005.
11. Otto Lerbinger, **Disasters and Disaster Management: A Study of Legislation in Select Countries** Lawrence Erlbaum Associates, New Jersey, 1997.
12. R.B. Jain, **Disasters and Disaster Management** Vivek Prakashan, New Delhi, 1995.
13. Sahni, P. and Ariyabandu, M.M., Malagoda, M. (eds.) **Disasters and Disaster Management: A Study of Legislation in Select Countries**, Prentice Hall, New Delhi, 2004.
14. Singh SS, Pratap Sanjay, National Centre for Disaster Management, **Disasters and Disaster Management: A Study of Legislation in Select Countries**, Indian Institute of Public Administration, 2000.
15. Sinha, P.C. (Ed.): **Disasters and Disaster Management** Anmol Publications, New Delhi, 1998.
16. Stephens, Lynn H. and Green, Stephan J; **Disaster Assessment, Approaches and Procedures** McMillan, New York, 1979.
17. Wilson, R. and E.A.C. Crouch, **Disasters and Disaster Management: A Study of Legislation in Select Countries** An Introduction, Science, Washington, 1987.

p r. III D s s t r n n t t r u t u r , C o o r n t o n , s p o n s

Conclusion

5. Case Studies (examples from recent disasters in India)

Books

1. Delmar, **Fr F t r s H n oo**. Stanford Thomson Learning (U.S.A.), 2000.

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E E E E II

p r / D s s t r n n t n t t o n

M. Marks : 100
T

7. Legal provisions of Disaster Management

Books

1. Anderson, James E., **Introduction to Disaster Management** Houghton-Mifflin, Boston, 2005.
2. Asian Development Bank, **Disaster Management in Asia** Manila: ADB, 1991.
3. Collins Larry R. and Scheind Thomas, **Disaster Management: Principles and Practice** Taylor and Francis, 2000.
4. **Disaster Prevention and Control** UNDRO Publications, Geneva, 1984.
5. Garlake, Teresa, **Disasters** Oxfam, Oxford, 2000.
6. Green, Stephan, **Introduction to Disaster Management**, **Disaster Management: Principles and Practice** McGraw Hill, New York, 1997.
7. P. Michale Vetha Siromony (Ed.), **Our Book on Disaster Management** Ministry of Agriculture, Government of India, 2000.
8. Schneid Thomas D. and Collins Larry **Disaster Management: Principles and Practice** Lewis Publishers, New York, 2001.
9. Stephens, Lynn H. and Green, Stephan J; **Disaster Assistance, Approaches and Frameworks** McMillan, New York, 1979.
10. Waugh, William L, Jr. and Ronald John, **Functions of Emergency Management** Greenwood Press, New York, 1990.
11. Waugh, William L, **Disaster Management: Principles and Practice** M.E. Sharpe, New York, 2000.

Principles of Disaster Management

M. Marks : 100
Theory : 80 marks
Int. Ass. : 20 marks
Time : 3 hours

The paper will address various aspects of war and non-war situation causing disasters including the role of security forces.

Format There shall be 9 questions in all. The first question is compulsory containing 15 short answer type questions spread over the whole syllabus to be answered in about 25 to 30 words each. The candidates are required to attempt any 10 short answer type question carrying 20 marks of 2 marks each. Rest of the paper contain 4 units. Each unit shall have two questions and the candidates shall be given a choice of attempting one question from each unit – 4 in all. Each question will carry 15 marks.

Unit I

1. War as Disaster – socio-economic, political, military, health and environmental effects
2. Lethal aspects of conventional wars causing disaster like situations

Unit II

3. Fundamental of Nuclear War aspects – includes disasters caused by nuclear weapons, nuclear radiation, nuclear power plant accidents, dirty bombs, nuclear wastes, use of depleted uranium and nuclear terrorism. Protective measures from nuclear disasters
4. Fundamentals of Biological war – Categorization of biological hazards, communicable diseases and bio-terrorism. Protective measures from biological disasters

Unit III

5. Fundamentals of Chemical war – dimensions of hazardous chemical material, gases, chemical hazardous waste, chemical terrorism. Protective measures from chemical hazardous
6. Terrorism, Weapon of Mass Destructions, suicide attacks, hijacking, landmines, Improvised Explosive Devices, cyber/information warfare, civil strife and internal threats causing disaster like situations

Unit IV

7. Government preparedness in dealing with disasters during pre-war and post-war period
8. Role of Para-military forces

Books on :

1. Alan M Levitt, **Designing over a User's Prossion** Wiley, New York, 1997.
2. Bourreair Janine, **Designing a C t strop** Cambridge University Press, Cambridge, 1992.
3. Cashman, John R; **Human Factors Engineering, A Prossion spon** Technomics Publishing Co., U.S.A., 1995.
4. Kirchenbaum Alan, **Consistent Design** nt, Marcel Dikker, New York, 2004.
5. Parasuraman S, Unnikrishnan PV. **In Designing ports for port nt tv** Oxford University Press, New Delhi, 2000.
6. Pierre Perrin, **Consistent Design** Ed. Jan de Boer & Marcel Dubouloz, Hentenaar boek BV, Nieuwegein, Netherlands, 2000.
7. Stephen Green, **International Designing, A Prossion spon v st** McGraw Hill, New York, 1977.
8. Ursano Robert J, M.D. and Norwood Ann E, M.D. **Human Designing spon s n n nt** Review of Psychiatry, Volume 22, American Psychiatric Publishing Inc., 2003.
9. Ursano Robert J., C Fullerton Carol S, Norwood Ann E, **Errors in Designing In v u n Co unt nt H t Int rv nt ons**, Cambridge University Press, Cambridge, 2003.
10. Ursano Robert J., Norwood Ann E, Fullerton Carol S, **Bot rrors s oo n u H t Int rv nt ons**, Cambridge University Press, Cambridge, June, 2004.
11. Wahlstron Bjorn, **Designing H t n o t** Louise Fichtinger: International Atomic Energy Agency, 1998.

parallel Dissertation viva voce Examination

M. Marks : 100

tv :- The Student will be required to write a dissertation specified by the departmental committee. The dissertation will be evaluated out of 100 marks by external/Internal examiners of which 70 marks will be for the script and 30 for viva-voce examination.

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