

R7420

Sub. Code

646301

M.B.A. DEGREE EXAMINATION, NOVEMBER – 2022

Third Semester

Disaster Management

DISASTER MITIGATION

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

All questions carry equal marks.

Write a note on the following :

1. Disaster mitigation
2. Environmental vulnerabilities
3. National planning
4. Institutional framework
5. Disaster risk management
6. Sustainable development
7. Drought
8. Food security
9. Participatory planning
10. Disaster risk reduction.

Part B

(5 × 5 = 25)

Answer **all** questions choosing either (a) or (b).

All questions carry equal marks.

11. (a) Describe the linkages between risk and economic vulnerability.

Or

- (b) Explain the disaster risk in urban settings.

12. (a) Describe the neoliberal framework in disaster mitigation planning.

Or

- (b) Explain the role of bilateral agencies in disaster mitigation planning.

13. (a) Discuss the community led planning for disaster risk.

Or

- (b) Write a note on 'Mainstreaming DRR'.

14. (a) Illustrate the coping mechanisms of earthquake.

Or

- (b) Describe the coping strategies of flood and drought.

15. (a) Explain the social protection schemes in disaster risk reduction.

Or

- (b) List out the key legislations relevant to disaster risk reduction.

Part C

(3 × 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

16. Analyse the linkages between risk and environmental vulnerabilities.
 17. Elucidate ecosystem approach to disaster risk reduction.
 18. Narrate the challenges and possibilities for development planning in disaster risk.
 19. Elaborate the mitigation strategies of livelihood and employment.
 20. Examine the various approaches in disaster risk reduction.
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R7421

Sub. Code

646302

M.B.A. DEGREE EXAMINATION, NOVEMBER – 2022

Third Semester

Disaster Management

GEOINFORMATICS IN DISASTER MITIGATION

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

Write a note on the following:

1. Disaster Management.
2. Volcanoes.
3. Cyclone mapping.
4. Damage assessment.
5. Biomass.
6. Desertification.
7. Zonation.
8. Land use planning.
9. Spatial Data Infrastructure.
10. Satellite Surveillance.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

All questions carry equal marks

11. (a) Explain the importance of GIS for disaster mitigation.

Or

- (b) Elucidate the role of remote sensing in volcanoes hazard management.

12. (a) Write a note on 'Flood Hazard Assessment'.

Or

- (b) Discuss the uses of GIS in cyclone mapping.

13. (a) Explain the monitoring system of vegetation biomass through GIS.

Or

- (b) How do you manage the forest fire by using GIS.

14. (a) Describe the potential of GIS applications in disaster mapping.

Or

- (b) Write a note on 'Disaster Management Plan'.

15. (a) Explain the spatial data infrastructure in disaster manage.

Or

- (b) Explain the role of Satellite Surveillance for disaster mitigation.

Part C

(3 × 10 = 30)

Answer any **three** questions.
All questions carry equal marks.

16. Discuss the role of GIS for disaster mitigation and forecasts.
 17. Describe the uses of GIS in damage assessment and rehabilitation.
 18. Narrate the causes and consequences of drought and forest fire.
 19. Examine the practical application of RS and GIS techniques in disaster management.
 20. Analyse the role of GIS for disaster management through DSS.
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R7422

Sub. Code

646503

**M.B.A. DISASTER MANAGEMENT EXAMINATION,
NOVEMBER – 2022**

Third Semester

ECONOMICS OF DISASTER AND FINANCING

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

Write a note on the following:

1. Disaster Economics.
2. Imperfect information.
3. Direct costs.
4. Intangible costs.
5. Catastrophe insurance.
6. Risk transfer.
7. Disaster financing policy.
8. Risk financing.
9. DaLA.
10. Crop insurance.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

All questions carry equal marks.

11. (a) Describe the efficiency of signaling in principal-Agent model.

Or

- (b) Explain the concept of moral hazard.

12. (a) Bring out the humanitarian impact of disaster in India.

Or

- (b) Distinguish between direct and indirect costs in damage and loss assessment.

13. (a) Discuss the Contingent credit as an alternate instrument in risk transfer.

Or

- (b) Write a note on base line survey.

14. (a) Explain the trends in disaster financing in India.

Or

- (b) List out the objectives of the Finance Commission in Disaster Financing.

15. (a) Describe the objectives of World Bank in disaster financing.

Or

- (b) Describe the National Disaster Response fund in India.

Part C

(3 × 10 = 30)

Answer any **three** questions.
All questions carry equal marks.

16. Describe the Akerlof's model.
 17. Narrate Post Disaster Needs Assessment (PDNA).
 18. Discuss the types of alternative risk transfer instruments in disaster risk financing.
 19. Discuss the functions and role of the Finance Commission in disaster Financing in India.
 20. Critically evaluate crop insurance policies implemented in India.
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