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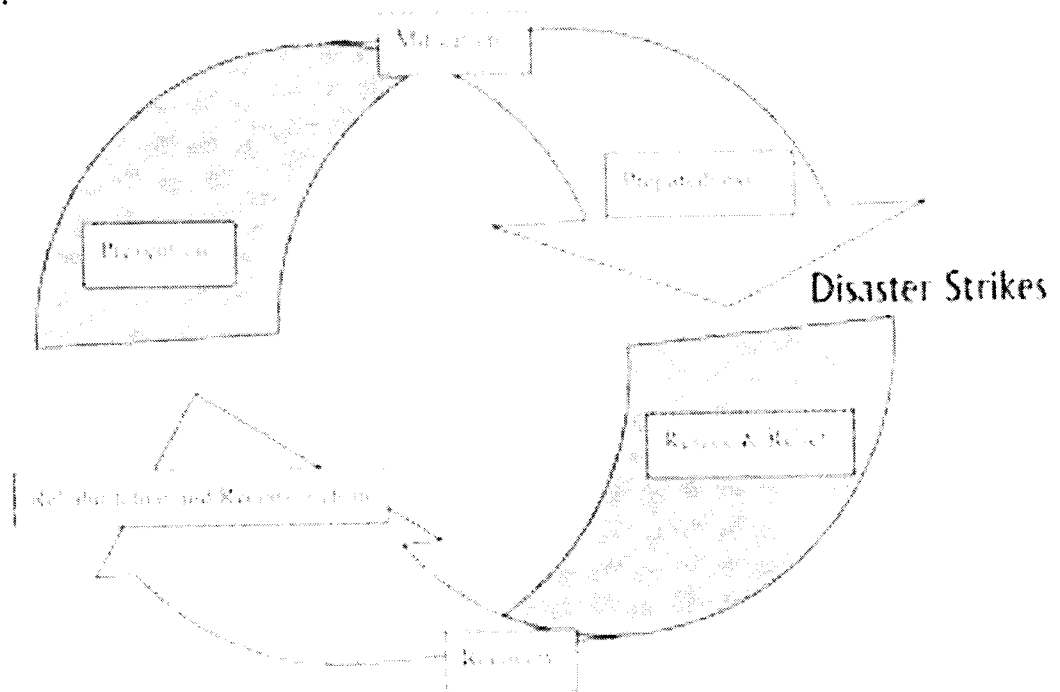
**POST GRADUATE DIPLOMA
Geo-Informatics
Subject: Applications of Remote Sensing
Subject Code: KPGE104
Semester: First
September 2020
Theory (External): 35 Marks
Time: 03 hours**

INSTRUCTIONS TO THE STUDENTS

1. Read the questions carefully and write the answers in the answer sheets.
2. Wherever necessary, the diagram drawn should be neat and properly labelled.
3. This questions paper comprises of 8 questions out of which student need to attempt any 4 questions.
4. All questions carry equal marks.
5. The time allotted will be 3 hours for examinations including time of downloading of question paper to emailing of answer books to the concerned Dean/IC.

ESSAY TYPE QUESTIONS

1. Describe in brief major Remote Sensing Satellites launched by India for resource mapping.
2. What is crop forecasting. Explain with suitable example how remote sensing is used for operational crop forecasting.
3. What do you understand by disaster? Explain the role of remote sensing in the disaster management cycle using the figure provided below:



4. Explain with suitable examples how remote sensing can be used for water resources management.
5. Explain applications of remote sensing in drought and flood management.
6. What is a smart city? How geoinformatics can be used in the development of a smart city?

7. What is solid waste management. How geoinformatics can be used in the selection of a suitable site for establishment of a Sewage Treatment Plant?
8. What is Environment Impact Assessment (EIA)? Explain how geoinformatics can be used in EIA of establishment of a big Industry.

*****End of Paper*****