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M. Sc. Geography 4th Semester

Examination – May, 2019

**GEOGRAPHY OF NATURAL HAZARDS AND
DISASTERS**

Paper : 16GEOG403CC/4063

Time : Three hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question No. **9 (Unit – V)** is *compulsory*. All questions carry equal marks.

UNIT – I

1. While defining hazard classify various natural hazards occurring in world.
2. What are the causes of Tsunamis ? Describe its impact in Asia-Pacific region.

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UNIT – II

3. Define drought. What are the criteria of identification of drought prone areas of India ?
4. How tropical cyclones form and develop ? Give your illustration with suitable sketches and examples.

UNIT – III

5. Write the steps involved in preparedness and mitigation of floods in India.
6. Define recovery. What short and long term recovery and rehabilitation measures were undertaken for the 2013 Uttarakhand disaster in India ?

UNIT – IV

7. Critically evaluate disaster management policies and mechanisms in India.
8. What is the role of remote sensing and real time mapping in monitoring of disasters ?

UNIT – V

9. Write short notes (not more than 50 words for each) on the following :
 - (a) Voluntary hazard
 - (b) Vulnerability
 - (c) Saffir-Simson Intensity Scale

- (d) Flood forecasting
 - (e) Rehabilitation
 - (f) Coping mechanism
 - (g) NDMA
 - (h) Hazard zonation mapping
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