

**M. TECH.-III (CIVIL-HYDRAULIC ENGINEERING) (CBCS – 2015
COURSE) : WINTER - 2017**

SUBJECT: SELF – STUDY PAPER – I: j) DISASTER MANAGEMNET

Day: **Thursday**
Date: **25/01/2018**

W-2017-2837

Time: **11.00 AM TO 02.00 PM**
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

Q.1 Elaborate the various factors responsible for natural disaster. **(10)**

OR

What are the short term and long term effects of disasters? **(10)**

Q.2 What are the methods to assess the extreme value conditions in case of flood disasters. **(10)**

OR

What is disaster management cycle? How it is applicable in case of earthquake and tsunamis? **(10)**

Q.3 What is the use of disaster management in case of fires in thermal or nuclear plants? **(10)**

OR

Explain the role of disaster management in case of leakage and spillage of oil tankers in the coastal areas. **(10)**

SECTION-II

Q.4 What are the measures to minimize the damage due to natural disasters? **(10)**

OR

What care needs to be taken to avoid various manmade disasters? **(10)**

Q.5 Elaborate the use of various warning systems available during pre-disaster period. **(10)**

OR

How various communication systems help to minimize the effects of disasters before the disaster occurs ? **(10)**

Q.6 What is the role of various life saving systems and in time transportation in the rescue operations of disasters? **(10)**

OR

What is the role of various NGO's and government bodies at local and national level to manage various disasters? **(10)**