

M. Tech.-III (Civil-Hydraulic Engineering) (CBCS – 2015 Course) :
WINTER - 2018

SUBJECT: SELF-STUDY PAPER-I DISASTER MANAGEMENT

Day: Saturday
Date: 08/12/2018

W-2018-3169

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 books.
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SECTION-I

Q.1 What are the short term and long term effects of disasters? (10)

OR

What are the various factors responsible for disasters due to manmade activities? (10)

Q.2 How to assess the extreme value conditions in case of flood disasters? (10)

OR

What is a disaster management cycle? (10)

Q.3 What is the use of disaster management in case of fire in thermal plants? (10)

OR

What are the disasters occurring due to failures of dams and similar such hydraulic structures? How they can be managed? (10)

SECTION-II

Q.4 What are various measures to be taken for the probable high flood due to heavy rainfall during pre-disaster period for minimum loss of property and human life in that area? (10)

OR

Elaborate the various measures to minimize the losses due to manmade disasters. (10)

Q.5 Elaborate the various pre-disaster warning system available indicating their advantages. (10)

OR

How GIS and remote sensing helps to minimize the effect of disasters by giving prior warning? (10)

Q.6 Explain the role of various transportation systems in rescue operations of disasters? (10)

OR

How various disaster management systems at global and national level help in rescue operations? (10)

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