

Total number of printed pages – 3 **B. Arch**
PCAR 8405

Eighth Semester Examination – 2008

DISASTER RESISTANT ARCHITECTURE

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory and any **five** from the rest.*

The figures in the right-hand margin indicate marks.



1. Answer the following questions : 2 × 10
 - (a) What is the DM act of 2005 ?
 - (b) How are cyclones caused ?
 - (c) What do NDMA and NDRF stand for ?
 - (d) What is a Tsunami ? How is it caused ?
 - (e) What is the Kyoto Protocol ?

- (f) What is retrofitting ?
- (g) Name any two important Flood control committees established by the Government of India.
- (h) What is flood proofing ?
- (i) What is the result of the Urban Heat Island effect on urban areas ?
- (j) What is green house effect ? What are its consequences ?

2. Disaster Management Programmes have a great relevance in the Indian context. Elaborate. 10
3. What is the role of Science and Technology in mitigation measures against Natural disasters. 10
4. Describe in detail the Earthquake risk mitigation programme in India. 10

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5. What are the causes of Flooding ? What are the Flood management Plans initiated by the Government ? 10
6. Write down the NDMA guidelines for management of Earthquakes. 10
7. Discuss the Cyclone preparedness programmes initiated under the Disaster management program. 10
8. What is the role of Laboratories in Disaster Management ? 10

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