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Total Number of Pages : 01

M.Arch
PCHD4104

2nd Semester Regular Examination 2017-18
SUSTAINABLE ARCHITECTURE AND HABITAT MANAGEMENT
BRANCH : HABITAT
Time : 3 Hours
Max Marks : 70
Q.CODE : C719

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.
Answer all parts of a question at a place.

- Q1 Answer the following questions: (2 x 10)**
- a) What is sustainable development?
 - b) What is MDG?
 - c) What is sustainable architecture?
 - d) What do you mean by habitat?
 - e) What is habitat management?
 - f) What is water conservation?
 - g) Write down components of life cycle design for achieving sustainability.
 - h) Define passive solar heating?
 - i) What are sustainable design strategy for composite climate?
 - j) What is a green building?
- Q2 a) What are ecofriendly materials used in Indira Parayavaran Bhawan Office Building, New Delhito make it anet zero and Energy positive building? (5)**
- b) What are architectural design strategies used in Indira Parayavaran Bhawan Office Building, New Delhi? (5)**
- Q3 a) What are sustainable building features? (5)**
- b) What are energy conservation measures? (5)**
- Q4 a) What are the issues in sustainable architecture? (5)**
- b) What are possible solutions for issues in sustainable architecture? (5)**
- Q5 a) What is habitat selection scale? (5)**
- b) Describe methods for achieving sustainable design? (5)**
- Q6 a) What are the goals outlined for sustainable cities and communities? (5)**
- b) What is Paris Agreement? (5)**
- Q7 What are sustainable development goals? Describe them. (10)**
- Q8 Write short answer on any TWO : (5 x 2)**
- a) What is sustainable construction?
 - b) What is environmentally friendly house?
 - c) Role of Depletion in non-renewable resources towards ecological and environmental crisis.
 - d) Role of natural calamities towards imminent disasters and their management.