

No. of Printed Pages : 03

Roll No.

AA-261

**Master of Architecture (Sustainable
Architecture) EXAMINATION, Dec. 2017**

(First Semester)

(Main & Re-appear)

MARC-603

FUNDAMENTALS OF SUSTAINABLE
ARCHITECTURE

Time : 3 Hours]

[Maximum Marks : 75

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

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(2-37/3) M-AA-261

P.T.O.

Unit I

1. Briefly discuss the various events during 1960-1975 that paved the way forward for sustainable development globally.
2. Write short notes on the following :
 - (a) Eco-Efficiency
 - (b) Climate Change
 - (c) Restorative Design Approach.

Unit II

3. Discuss in detail the concept of Environmental Sustainability. Can we achieve “Sustainable economic growth without compromising on environmental safety” ?
4. Experts have emphasized that Social Sustainability leads to “Socially sustainable communities which are equitable, diverse, connected and democratic and provide a good quality of life.” Explain with example.

Unit III

5. How the tools and methods for assessment of Sustainable built form have evolved ? Also explain the most widely used assessment tool with justification.
6. “LEED is changing the way we think about how buildings and communities are planned, constructed, maintained and operated.” Comment in context to developing countries.

Unit IV

7. Can you quote any city whose features and urban fabric is a perfect example of Sustainable Urban Built Form in context to Indian monsoon type Climate ? Support your answer with suitable sketches.
8. Discuss in detail the relevant approach to be adapted for designing “Sustainable Group Housing” Project in Hot and Humid Climate quoting prototype example.