

No. of Printed Pages : 03

Roll No.

CC262

M. Arch. EXAMINATION, May 2019

(Third Semester)

(B. Scheme) (Re-appear)

SUSTAINABLE ARCHITECTURE

MARC705

Alternative Energy Fundamentals

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. Neatness carries due weightage. Make relevant sketches wherever necessary.

(2-25/5) M-CC262

P.T.O.

Unit I

1. Explain the historical use of energy by humans. **15**
2. Explain with relevant examples non-renewable. **15**

Unit II

3. Explain with the help of examples the use of Biomass Energy. Support your answer with relevant technical details. **15**
4. Explain with the help of examples Geothermal Energy. Support your answer with relevant technical details. **15**

Unit III

5. Explain with the help of examples the use of solar thermal in buildings. Support your answer with relevant details showing solar thermal as a source of energy in buildings. **15**

6. Explain with the help of relevant examples the applications of wind power in buildings. Support your answer with related details. **15**

Unit IV

7. Explain the energy policy and guidance in India, highlighting the current scenario of non-conventional sources of energy. **15**
8. Explain with relevant examples the barriers to the implementation of renewal energy in India. **15**