

No. of Printed Pages : 03

Roll No.

18AA2201

M. Arch. EXAMINATION, 2021

(First Semester)

(C Scheme) (Main & Re-appear)

M. Arch. (Sustainable Architecture)

MARC601C

FUNDAMENTALS OF SUSTAINABLE
ARCHITECTURE

Time : 2½ Hours]

[Maximum Marks : 50

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 *Four* questions in all. All questions carry equal marks.

(F21-3-28/3) **M-18AA2201**

P.T.O.

1. What do you understand by Sustainability ? Define its Global and National perspective the with help of built environment trajectory.
2. Explain in detail the “Timeline of Sustainable Development” from 1960 to 2019.
3. Explain in detail various types and theoretical frameworks of sustainability keeping in mind its impact on the environment.
4. What do you understand by sustainable building design in India/Nations best building designs and their Rating Systems ?
5. Explain in detail “Malcolm wells wilderness based Checklist” with example of studies.
6. Explain various life-cycle processes followed in LCA in sustainable architecture.
7. What are the various softwares used for Energy Modelling and Simulations of Buildings for reducing the impact on environment ?
8. Define the terms :
 - (a) EIA
 - (b) NBC
 - (c) ECBC
 - (d) Ove Arup’s Spear.