

AV – 2953

Sixth Semester B. Arch. (CGS) Examination

SUSTAINABLE ARCHITECTURE

Paper – 06 FEAR 05

(USC – 10053)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

-
- Note :** (1) All questions carry marks as indicated.
(2) Question No. **Seven** is compulsory.
(3) Illustrate your answer wherever necessary with the help of neat sketches.
(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. Explain the importance and need for Sustainable Planning concept with Respect to Conservation of Environment. 20

OR

2. Discuss the ideas issues and concept of Sustainable Architecture with respect to global environment and built spaces. Explain the principles of ecology and environment. 20

3. What is Sustainable Architecture ? How would you correlate with natural resources. 20

OR

4. (a) Explain Biodiversity and Carbon Foot Print. 8
(b) Explain the treatments on Solid Waste and its management. 12
5. (a) Explain the integration of P.V. and wind systems. 10
(b) What do you understand by modelling and simulation of energy system ? 10

AV-2953

P.T.O.

OR

6. What are the Climatic factors and sustainability ? 20
7. Explain any **Four** from following :—
- (a) Renewable energy.
 - (b) Solar passive architecture.
 - (c) Principles of Ecology and Environment.
 - (d) Water Conservation Practices.
 - (e) Sustainable Practices.
 - (f) Non-conventional energy systems.
 - (g) Ecological Foot Prints. 20

