

Faculty of Engineering & Technology
B.Arch. (Architecture Engineering) Eighth Semester (C.G.S.) Examination
SUSTAINABLE ARCHITECTURE

(10068)

Paper—08 AR 04

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) Question No. 1 is compulsory.
- (2) Due credit will be given to neatness and adequate dimensions.
- (3) Assume suitable data wherever necessary,
- (4) Illustrate your answers wherever necessary with the help of neat sketches.
- (5) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) Explain need and importance of Sustainable Development in Architecture. 10
(b) What are the various ingredients of Sustainable Development ? 10
2. Explain with sketches the early settlement pattern, layouts, planning and design features with respect to historical context. 20

OR

3. Explain with sketches the Modern City Planning and design features with respect to sustainability. 20
4. Explain with sketches the sustainable practices in terms of non-conventional energy sources. 20

OR

5. Explain relationship of ecological footprints with sustainable environment. 20
6. Explain with sketches the appropriate materials and techniques useful for sustainable development with one case study. 20

OR

7. Explain various sustainable planning, policies, awareness programme at National Level. 20

