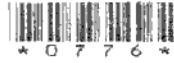


B.Arch. Eighth Semester (Architecture Engineering) (CGS)
10068 : Sustainable Architecture : 08 AR 04

P. Pages : 1

Time : Three Hours



AU - 3083

Max. Marks : 80

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

1. What is the need for sustainable planning with appropriate Architectural design concept. **20**
2.
 - a) What do you mean by Ecological foot print. **20**
 - b) What is the role of Environment and stakeholder to maintain sustainability.

OR

3.
 - a) Explain the planning concept of any Historical Development by considering sustainable aspect. **10**
 - b) Explain Early settlement planned layouts. **10**
4. Explain the various appropriate materials used for construction with their properties & workability. **20**

OR

5.
 - a) What do you mean by biodiversity. **5**
 - b) Explain the suitable practices at campus, Building & settlement level. **15**
6. What are the Resources available to maintain Biodiversity on Earth. Explain the case study of any sustainable campus. **20**

OR

7. Explain **any four** from following **20**
 - a) Eco-friendly construction practices.
 - b) Sustainable policies
 - c) Carbon foot print
 - d) Sustainable planning techniques
 - e) Importance of climatic factors
 - f) Impact of ecological foot print.
