

MES's Pillai's College of Architecture

Second Year (October 2012)

Building Services(100 marks)

Instructions:

Answer any 5 questions .

Answer in points wherever possible

No extra marks for unnecessarily lengthy answers.

Write in neat and legible handwriting.

Sketches must be made to support answers wherever required.

1. What is Rain Water Harvesting?
What are the methods by which rain water could be harvested? (20)
2. Differentiate between (any 2. At least 2 points of differentiation per topic needed) (20)
 - a) Daylighting and Electrical Lighting
 - b) Sanitation in urban context and rural context
 - c) Surface sources of water and underground sources of water.
3. Describe with neat sketches the water supply to a town from source to consumer. (20)
4. What is Drainage and why is it necessary? What is Sustainable Urban Drainage system ? (20)
5. What are the different types of water distribution networks in a city? Explain with sketches (20)
6. What are the different sources of electricity? Describe the steps involved in transmission of electricity from any one source to consumer with sketches and short description.
7. Are we facing an energy or natural resource crisis? What can be done about this as architects?
What are the eco friendly, sustainable and renewable sources of energy? Describe any 2. (20)