

Ex/CON/T/226/106/12

BACHELOR OF ENGG. CONSTRUCTION EXAMINATION, 2012

(2nd Year, 2nd Semester)

Building Services

Time : Three hours.

Full Marks : 100

Answer for 100 marks only.

Use appropriate sketches.

1. Write briefly on any 8 of the following : 5x8
 - (i) Necessity of acoustic treatment in buildings.
 - (ii) Escalators.
 - (iii) Electrical substations.
 - (iv) Rain water harvesting.
 - (v) Fire exits.
 - (vi) Shading devices in buildings.
 - (vii) Desert Coolers
 - (viii) Aquifers.
 - (ix) Inspection Pit
 - (x) Flocculation.

2. Describe the parts and functioning of a simple elevator. 20

3. Discuss the role of humidity control in air-conditioning devices. 20

(2)

4. Discuss ways of energy conservation in GREEN BUILDINGS. 20

5. (a) What is a sedimentation tank in a water filtration plant. 10
(b) What is 'Peverse Osmosis'? How is it used in purifying water? 10

6. Climate studies are vital in deciding built form. Explain why giving illustrated examples. 20

— X —

(Turn Over)