

BACHELOR OF ARCHITECTURE (B ARCH)

Term-End Examination

December, 2013

**BARE-072 : ADVANCED BUILDING SERVICES
(ELECTIVE 1)**

Time : 3 hours

Maximum Marks : 70

*Note : Attempt **any five** questions. All questions carry **equal** marks. Draw neat sketches wherever necessary.*

1. Write short notes on **any two** of the following :
 - (a) Fire detection equipments 7x2=14
 - (b) Inter communication system
 - (c) Refuse disposal

2. What are the causes and spread of fire ? Explain 14
the different methods of fire fighting.

3. What are the installation requirements and the 14
information to be provided by the architect for
the installation of lifts and design standards of a
lift lobby ?

4. Explain the special features required and 14
minimum level of illumination required for
physically handicapped and elderly in building
types.

5. Write the different parameters to be considered
at the time of load calculation of the following :
 - (a) Lighting for swimming pools 7x2=14
 - (b) Lighting for Airports

6. What are the responsibility for water supply and sanitation related to : 14
(a) Policy and regulation
(b) Service provision
7. Explain in brief the following : 7x2=14
(a) Electrical supply and distribution for group housing.
(b) Design of escalators.
8. Explain in brief the following : 7x2=14
(a) Sewage collection and disposal for high rise buildings.
(b) Recycling Techniques.
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