

SCHOOLOF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), MAY-2016

B. ARCH, III YEAR, VI SEMESTER

BS-6 BUILDING SCIENCE AND SERVICES
(VENTILATION, COMMUNICATIONS AND SECURITY SYSTEMS)

Maximum Marks – 50

Time – 2.00 Hours

a) Answer any Two questions out of 1 to 4 questions.

b) Question No.5 is compulsory and answer any four out of six sub-questions.

- Q1 Explain with the help of neat sketches about the functioning of Hydraulic elevators? (15M)
- Q2 What is the importance of fire safety in Buildings? Write about the classification of buildings as per NBC for fire safety? (15M)
- Q3 Explain the working of Hybride (Water and Air) Air conditioning system? Write a small notes on its applicability in a building? (15M)
- Q4 Write the differences for the following: (15M)
- a) Natural Ventilation Vs Artificial Ventilation
 - b) Lifts Vs Escalators
 - c) Decentralized AC system Vs Centralized AC system
- Q5 Write any four of the following: (4x5= 20M)
- i) Building Automation
 - ii) Elements of fire safety design
 - iii) External shading devices
 - iv) Handling Capacity of a lift
 - v) Heat pump
 - vi) Fire Alarm systems
