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SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA
SEMESTER END EXAMINATIONS (SUPPLEMENTARY), JUNE - 2016

B. ARCH III YEAR VI SEMESTER

BUILDING SCIENCE AND SERVICES (BS-6)
(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 Design a suitable vertical transportation system for a (15M) corporate building of 8 floors. Explain the criteria of selection and suitability with neat sketches.
- Q2 Explain the importance of natural ventilation in a (15M) building with suitable sketches. Assume any climatic condition and suggest the suitable natural ventilation methods.
- Q3 Explain the strategies or design considerations required (15M) for fire safety in a multistorey building.
- Q4 Write the criteria of improving the building (15M) management systems.
- Q5 Write any four of the following: (4x5= 20M)
- i) Moving walks
 - ii) DDC
 - iii) Central Heating systems
 - iv) AHU
 - v) Fire triangle
 - vi) Pneumatic Elevation
