SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

M. ARCH II YEAR III SEMESTER

INTELLIGENT BUILDINGS (10210302)

Maximum Marks – 50   Time –2 Hours

a) Answer any Two questions out of 1to 4 questions.
b) Question No.5 is compulsory and answer any four out of six sub-questions.
c) Support your answers with neat sketches.

Q1. What is Building Automation System? Explain the areas   (15M)
of implementation of BAS in an office building.

Q2. What is Fuzzy logic? Explain the advantages and   (15M)
disadvantages of Fuzzy logic in Artificial Intelligence.

Q3. What are Intelligent Buildings? What are the different   (15M)
Building Systems in IB tier tasks and goals?

Q4. What are different approaches, applications and   (15M)
integration of Security Controls in BMS?

Q5. Write short notes on any FOUR of the following: (4x5=
20M)

    a) Sensors
    b) BACNET
    c) Actuators
    d) Direct Digital Control
    e) Measurement of productivity
    f) Semiotics in Architecture

*****