

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), NOVEMBER-2015

B.ARCH, IV YEAR VII SEMESTER

BS 7: BUILDING SCIENCE & SERVICES (INTEGRATED ENERGY MANAGEMENT)

Maximum Marks – 60

Time – 2 1/2 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.*

- Q.1 What is the importance of Nitrogen in atmosphere? Explain Nitrogen cycle with the help of a sketch. Write about the important process in Nitrogen cycle. (20M)
- Q.2 What is the importance of alternative energy sources in the present condition of the world. Name the types of alternative energy sources. Explain the production of any two alternate energy sources and write their advantages. (20M)
- Q.3 What is energy Conservation? How can we conserve energy in buildings? Explain with the help of examples? (20M)
- Q.4 a) What is the Energy Management? (2x10=20M)
What are the objectives of Energy Management?
b) Write about Energy policies in India.
- Q.5 Write about any *four* of the following: (4x5=20)
- Solid waste disposal.
 - Hydal Energy.
 - Energy Balance.
 - Social Forestry.
 - Photovoltaic cells.
 - Energy efficient equipment.