

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR) NOVEMBER - 2016

B. ARCH IV YEAR VII SEMESTER

BUILDING SCIENCE AND SERVICES (BS-7) (INTEGRATED ENERGY MANAGEMENT)

Maximum Marks – 60

Time – 2 ½ 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. What is the impact of Energy production on Environmental pollution and Global warming? Explain the ways and means to reduce the impact? (10+10)
- Q2. Write in brief about the following: (10+10)
(i) ECBC – 2005
(ii) Green Energy
- Q3. What is Energy Management and what are the objects of Energy Management? Explain the process of Energy Auditing. (10+10)
- Q4. Define 'Waste' as per Basel Convention and write about Basel Convention? Write a brief note about the classification of waste as per their origin and type. (10+10)
- Q5. Write short notes on any FOUR of the following: (4x5= 20M)
- Difference between renewable and non-renewable resources.
 - Nitrogen Chain.
 - Social Forestry.
 - Latest technologies in Energy Production.
 - Energy Balance.
 - Pattern of Energy Consumption in buildings in India.
