

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (SUPPLEMENTARY),
DECEMBER-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.

- Q1. a) Define Social forestry. Explain briefly about the types of Social forestry. (10M)
b) What is waste? Define (2M)
How do you classify wastes according to their origin and type. (8M)
- Q2. Discuss about the energy scenario both at global and Indian level. (8M)
How the energy strategies be classified? Explain with suitable examples. (12M)
- Q3. Write about the advantages and disadvantages of the following energy technologies. (20M)
a) Wind Energy
b) Nuclear Energy
c) Tidal Energy
d) Biomass
- Q4. What are the sources of energy wastage in Buildings? (5M)
Explain with examples the ways to reduce energy wastage in Buildings? (15M)
- Q5. Answer any four: (4x5=20M)
a) Standards and labelling.
b) Energy Management system.
c) Energy conserving options in Buildings.
d) Define Energy Audit and write types of energy Audit.
e) What is scavenging? Explain.
f) Write a brief about ECBC.
