

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA
SEMESTER END EXAMINATIONS (REGULAR) APRIL – MAY - 2017

M. ARCH I YEAR II SEMESTER

ALTERNATIVE MATERIALS & TECHNOLOGIES (10210205)

Maximum Marks – 50

Time –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. What is the importance of Environment friendly materials for Indian Construction Industry? Explain it with justification. (8M)
- What are the properties of Ecofriendly materials? Name them? (7M)
- Q2. Name and Explain any two Ecofriendly roofing technologies with the help of sketches. (15M)
- Q3. Write the characteristics of Green flooring. Explain about any three green flooring materials? (3M) (12M)
- Q4. How do you compare vernacular construction practices with modern construction technologies? Explain them with reference to embodied energy consideration? (15M)
- Q5. Write short notes on any FOUR of the following: (4x5= 20M)
- a) Jack Arch construction
 - b) Evaluation of green materials
 - c) Straw bale construction
 - d) Structural Insulating wall panels(SIP)
 - e) Aspects for identification of alternative materials
 - f) Cored unit slab
