

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

M. ARCH I YEAR II SEMESTER

WATER AND BUILT FORMS (10210202)

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. Explain different types of river and stream channels and their characteristics. (15M)
- Q2. Explain at least 15 different types of traditional water harvesting system practised in India. (15M)
- Q3. What is the need of drainage system? Write short notes on site analysis and various systems adopted for water drainage at site level. (15M)
- Q4. What is 'Urban runoff' and 'Urban flooding'? What are the effects of urban flooding, its prevention and mitigation strategies? (15M)
- Q5. Write short notes on any FOUR of the following: (4x5 =20M)
- a) What are 'Aquifers'?
 - b) What is Surface runoff?
 - c) What are the factors affecting the design of artificial recharge?
 - d) What is 'Sinuosity ratio'?
 - e) What is 'rainwater harvesting and what are the factors necessitating rainwater harvesting'?
 - f) Explain 'Stream flow' and 'Stream discharge'?
