

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

EIGHTH SEMESTER B. ARCH. DEGREE EXAMINATION – MAY 2016

SUBJECT: ELECTIVE II – ADVANCED URBAN DESIGN (ARC-408.1)

Monday, May 30, 2016

Time: 10:00-13:00 Hrs.

Max. Marks: 50

- ✍ Answer any FIVE full questions.
- ✍ The answers should be supported by sketches wherever necessary.
- ✍ Assume suitable data wherever necessary.

1. Name any ten parameters that need to be considered in energy efficiency of urban form.
(10 marks)

2A. Define global context and regulatory context and explain its relevance to urban design.

2B. What are the three physical elements of town scape analysis?
(7+3 = 10 marks)

3A. Define and explain with examples space genotype and its relevance to typological studies.

3B. What are the six types of study conducted for streets to understand design parameters comprehensively in an integrated manner?
(4+6 = 10 marks)

4A. Name the ten roles of trees in urban space in a diagram.

4B. Explain with a diagram how a smart building works.
(5+5 = 10 marks)

5A. How is the morphology read in Indian towns? Explain using example.

5B. Explain in brief the 8 aspects of site-city observer relationship with respect to city form.
(6+4 = 10 marks)

6A. What the types of study that comes under environmental psychology?

6B. Describe the key aspects propounded by William Whyte with respect to urban design.
(5+5 = 10 marks)

