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MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH/EIGHTH SEMESTER B. ARCH. DEGREE EXAMINATION – JUNE/JULY 2019

**SUBJECT: ARC-314 – HUMAN SETTLEMENTS (2010 SCHEME)/
ARC-14-406.4 – URBAN DEVELOPMENT (2014 SCHEME)**

Tuesday, July 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE questions.

✍ Answer all parts of a question with necessary sketches.

- 1A. Elaborate on any three man made urban form determinants and describe how the town planning features of Kahun and Amarna were different from each other based on these determinants.
- 1B. Mention any four types of town plans evolved during vedic period. Explain any one of them.
(6+4 = 10 marks)
- 2A. Explain the difference between net density and gross density. What are the advantages and disadvantages of height zoning?
- 2B. Explain with examples, the five elements of ekistics.
(5+5 = 10 marks)
- 3A. Explain how monarchy and monumentalism were predominant in Renaissance town planning.
- 3B. Illustrate the use of 'cul-de-sac' as a module in Radburn planning.
(5+5 = 10 marks)
4. Explain with examples from history, how the focus on town planning criteria shifted in case of democratic (Greek), mercantile (neo-classical) and capitalist (during & post Industrial revolution) setups.
(10 marks)
- 5A. Explain the term Arcology and list the principles guiding the design of Arcosanti.
- 5B. Describe the planning principles of Sir Patrick Geddes.
(5+5 = 10 marks)
6. Write short notes on:
- 6A. Dumbell Plan
- 6B. Performance Zoning
- 6C. Dandaka Plan
- 6D. Importance of Church in Medieval town
- 6E. Design concept of Auroville
(2 marks × 5 = 10 marks)

