




MANIPAL ACADEMY OF HIGHER EDUCATION
EIGHTH SEMESTER B. ARCH. DEGREE EXAMINATION – APRIL 2018
SUBJECT: ELECTIVE V – INDUSTRIAL ENVIRONMENTS (ARC-14-406.3)
(2014 SCHEME)

Thursday, April 26, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

-  **Answer any FIVE full questions.**
-  **Answer all parts of a question.**
-  **Give relevant neat sketches wherever necessary.**

- 1A. Explain any five impacts of Industrial revolution had on architecture and urban planning.
1B. Explain any five criteria for selection of a site for setting up an Industry of your choice.
(6+4 = 10 marks)
- 2A. Explain any five important aspects of Industrial Lighting Design.
2B. Explain the importance of planning for future expansion in case of industrial projects.
(5+5 = 10 marks)
3. **Write short notes on the following:**
3A. Types and significance of cranes in industrial projects.
3B. Types of Dead loads to be considered in designing of industrial structures.
(5+5 = 10 marks)
4. Explain in detail with neat labelled sketches any five types of Industrial roof trusses.
(10 marks)
- 5A. Explain the significance of Ventilation in Industrial structures with relevant sketches.
5B. Explain the importance of proper disposal of Industrial Waste.
(5+5 = 10 marks)
6. Explain various planning considerations for establishing an industry with suitable example of your choice.
(10 marks)

