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**MANIPAL UNIVERSITY**  
**SECOND SEMESTER EXECUTIVE M.Arch. (ADVANCED DESIGN)**  
**DEGREE EXAMINATION – JULY 2017**

**SUBJECT: TALL BUILDINGS – ELECTIVE I (ARM-606-E-1)**

Monday, July 10, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ Answer any **FIVE FULL** questions.

✍ Illustrate with neat sketches and examples wherever required.

1A. Explain the various considerations for measuring the height of the tall buildings.

1B. Give examples of the tallest buildings of the world in each category.

(5+5 = 10 marks)

2. Explain the issues and effect of wind on tall buildings with suitable examples.

(10 marks)

3. Explain the historical evolution of tall buildings with suitable examples.

(10 marks)

4. Explain the political, geographical and sociological impacts of tall buildings.

(10 marks)

5A. Explain Bio climatic skyscrapers.

5B. Explain the strategies for achieving sustainability in tall buildings with relevant examples.

(5+5 = 10 marks)

6. Explain the architectural and structural design of Burj Khalifa in Dubai.

(10 marks)

