

MANIPAL UNIVERSITY

SECOND SEMESTER EXECUTIVE M.Arch. (ADVANCED DESIGN)/FOURTH SEMESTER
M.Arch (URBAN DESIGN & DEVELOPMENT) DEGREE EXAMINATION – MAY 2017

SUBJECT: PROJECT MANAGEMENT/PROJECT MANAGEMENT FOR URBAN
DEVELOPMENT (ARM 604-E/ARM 726)

Tuesday, May 09, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

- ✍ Answer any FIVE full questions.
- ✍ The answers should be supported with examples and sketches wherever necessary.
- ✍ Any missing data can be assumed suitably.

1A. What is Project Family Tree? Explain.

1B. What are the different classification of projects? Elaborate with examples.

(4+6 = 10 marks)

2A. What is the role of network techniques in project planning, scheduling and controlling?

2B. What are the different types of networking techniques? Explain.

(5+5 = 10 marks)

3A. Elaborate on Project Selection Process.

3B. What are the earliest start schedule and late start schedule?

(5+5 = 10 marks)

4. The project consists of the following activities and their time estimates are given below:

Activity	Time (in days)		
	Optimistic (t_o)	Most Likely (t_m)	Pessimistic (t_p)
1-2	4	6	8
1-3	3	5	8
1-4	5	7	8
2-4	6	10	14
2-6	3	6	12
3-4	5	8	9
4-5	3	4	9
5-6	4	5	7

4A. Draw the network diagram.

4B. Calculate Slack time for each event.

4C. Determine the critical path of the activity.

(3+5+2 = 10 marks)

- 5A. Discuss the need for conducting Social Cost Benefit Analysis.
5B. Explain the major elements in feasibility analysis.

(5+5 = 10 marks)

- 6A. What is the role of Entrepreneurship in economic development?
6B. What are the characteristics of Entrepreneurship?

(5+5 = 10 marks)

