



## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2017

Subject Code: 2170611

Date: 02/11/2017

Subject Name: Infrastructure Engineering And Management (Departmental Elective - II)

Time: 10:30 AM TO 01:00 PM

Total Marks: 70

## Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) What is Project appraisal? 03  
 (b) What is life cycle Analysis? 04  
 (c) Why is scheduling important in project? 07
- Q.2 (a) What does construction management mean? 03  
 (b) What is meant by scope verification? 04  
 (c) What is project scope management and why it is important? 07
- OR
- (c) Explain in brief various phases of project planning. 07
- Q.3 (a) Write short note on revocational tender. 03  
 (b) What is earnest money and security deposit? 04  
 (c) What is infrastructure? And Write types of infrastructure 07
- OR
- Q.3 (a) What are the various sources to look for good project ideas? 03  
 (b) What is included in tender documents? 04  
 (c) Compare with CPM and PERT. 07
- Q.4 (a) Explain different types of tender. 03  
 (b) What is critical path in project? 04  
 (c) Which are the various stages for infrastructure process? 07
- OR
- Q.4 (a) What do you understand by mind mapping? 03  
 Write application of MCA( multi critical analysis) in  
 (b) government. 04  
 (c) Discuss the guideline to be kept in mind while estimating the incremental cash flows of a project. 07
- Q.5 (a) What is the important concepts during execution of project? 03  
 (b) What is contractual disputes? 04  
 (c) Explain in detail various sources of funding for large scale construction project. 07
- OR
- Q.5 (a) What are the objectives of preparing work schedule? 03  
 (b) Enlist different types of risk for construction project. 04  
 (c) Explain in brief general overview of infrastructure development history in India. 07

\*\*\*\*\*

