

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**
