

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII(NEW) • EXAMINATION – WINTER 2016****Subject Code:2170611****Date:18/11/2016****Subject Name:Infrastructure Engineering And Management(Departmental Elective - II)****Time:10.30 AM to 1.00 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) Explain the various steps to be followed for successful completion of large scale construction project. **07**

(b) Explain in detail various phases of infrastructure project planning. **07**

Q.2 (a) Explain in brief general overview of infrastructure development history in India. **07**

(b) Discuss case study of any typical infrastructure project giving technical and planning details. **07**

OR

(b) What are the different types of project organization? Explain any one in detail. **07**

Q.3 (a) Explain in detail different types of tender. **07**

(b) Explain in detail aims and objectives of project management. **07**

OR

Q.3 (a) Explain in detail role of management in project execution. **07**

(b) Explain in brief application of network analysis for a particular project. **07**

Q.4 (a) What is life cycle analysis? What are the goals and purposes of life cycle analysis? **07**

(b) Write short note on: **07**

1. Scrutiny of tender
2. Revocation of tender

OR

Q.4 (a) Explain in detail points should be kept in mind while estimating the working capital requirement and planning for its financing for a large scale construction project. **07**

(b) Explain in brief different types of risk involved in a large scale construction project. **07**

Q.5 (a) Explain the requirements of valid contract as per the Indian contract act. **07**

(b) Explain in brief various phases of project management. **07**

OR

Q.5 (a) What is work schedule? What are the purposes and objective of preparing work schedule? **07**

(b) Explain in brief key issues you would examine in preliminary screening exercise for a large scale construction project. **07**
