

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-VIII Examination May 2012

Subject code: 181501

Subject Name: Project Management

Date: 10/05/2012

Time: 10.30 am – 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 the role of opportunity scanning and identification in setting up a small enterprise? **07**  
(b) Explain errors in drawing a network with example. **07**
- Q.2** (a) Define SSI. Do you think SSI can be defined by using other variables? Discuss other variables existing in other countries with advantages, disadvantages and suitability. **07**  
(b) How uncertainty can be incorporated in PERT model? **07**
- OR**
- (b) Why dummies are required? In what way these differ from normal activities? **07**
- Q.3** (a) Which are the common problems in running an industrial unit pertaining to production, marketing and finance? How you will solve such problems? **07**  
(b) Explain the difference between PERT time and PERT cost. In which situations are they generally used? **07**
- OR**
- Q.3** Taking hypothetical example of an enterprise that you would like to set up after passing your this exam, explain in detail the various factors to be considered and about agencies like DIC, GITCO , NSIC, etc., that can help you. **14**
- Q.4** (a) Explain risks involved in selection of a project. **07**  
(b) Explain updating of a network with example. **07**
- OR**
- Q.4** Discuss how CPM can be useful in the following situations: **14**  
I. Custom built production ships.  
II. Major repair overhaul and maintenance.  
III. Preparation of manual accounts.  
IV. Building and construction works.
- Q.5** (a) Discuss the incentives available for the units in backward areas. **07**  
(b) Explain the critical and sub-critical paths in a network with example. **07**
- OR**
- Q.5** (a) Discuss the role of statistical techniques in PERT. **07**  
(b) Explain ancillary industries. **07**

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