

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-IV Examination-Nov/Dec-2011

Subject code: 141501

Date: 02/12/2011

Subject Name: Productivity Engineering

Time: 02.30 pm -5.00 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) Discuss the role of management in productivity improvement. **07**

(b) How the productivity of service areas can be improved ? **07**

Q.2 (a) What are the limitations of forecasting in planning ? **07**

(b) On what factors forecasts are selected ? **07**

OR

(b) Why planning is called the parent exercise of the all important functions ? **07**

Q.3 (a) Why has strategic planning become even more important to managers and their organizations ? **07**

(b) Explain functional and committee organizations. **07**

OR

Q.3 (a) What are the elements of motivational system ? **07**

(b) How appraisal for better productivity can be done ? **07**

Q.4 (a) What are the applications of value analysis ? **07**

(b) What are the reasons for unnecessary costs ? **07**

OR

Q.4 (a) What is the relation between work study and productivity ? **07**

(b) Prepare a flow process chart for feeling petrol and checking air pressure on a service station. **07**

Q.5 (a) What factors should be taken in to account while rating an operator ? **07**

(b) Explain work sampling by taking hypothetical example. **07**

OR

Q.5 (a) What factors should be considered while selecting a material handling equipment ? **07**

(b) “Plant layout and materials handling go hand in hand” – Explain. **07**
