

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI(OLD) – EXAMINATION – SUMMER 2019

Subject Code:161907

Date:21/05/2019

Subject Name: Industrial Engineering

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)** Classify production system & its characteristics **07**
(b) Explain raking method in brief **07**
- Q.2 (a)** Explain importance of good wage incentive plan **07**
(b) What is process capability? How it can be measured? **07**
OR
(b) Explain any two merit rating plan **07**
- Q.3 (a)** Explain Ergonomics & its application **07**
(b) What are the uses of Flow process chart? Explain with one suitable example **07**
OR
- Q.3 (a)** Discuss any three methods of sales forecasting **07**
(b) Explain Operating Characteristics curve **07**
- Q.4 (a)** What is sampling? How it is useful in Statistical Quality Control? **07**
(b) Explain any four objectives of production management **07**
OR
- Q.4 (a)** What is PPC? Explain importance of it **07**
(b) Discuss any two scheduling method **07**
- Q.5 (a)** Define work study. Enlist scope of it **07**
(b) Explain steps of work study in brief **07**
OR
- Q.5 (a)** What is concept of entrepreneurship? Explain importance of it **07**
(b) Explain factors affecting plant location decision **07**
