

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**
