

**BACHELOR OF ENGINEERING SEMESTER VII (CGS) EXAMINATION OF S-2020**

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**H.V.P.Mandal's College of Engineering & Technology, Amravati**  
**Department of Mechanical Engineering**

**Academic Session: 2019-20**

**Semesters: VI<sup>th</sup>**

**Unit- I ,II ,III, IV ,V,VI**

**Date: 28/10/2020**

**Subject Name: Production Technology.**

**Subject Code: 5ME01**

**Max Marks: 20M**

**Note: Solve any 2 Questions out of 4 Question.**  
**All question Carry equal marks**

**Ques 01**

- a. Distinguish between line standard and end standard (03M)
- b. Sketch and explain O.C. curve (03M)
- c. State various recording techniques used in method study. (01M)
- d. What is time study (01M)
- e. What is sine bar? (01M)
- f. State the objectives of Quality control. (01M)

**Ques 02**

- a. Sketch and explain the basic types of fits. (03M)
- b. Sketch various flow process chart symbol. (03M)
- c. What are assignable causes of variation? (01M)
- d. What is gauge makers tolerance? (01M)
- e. What are comparators? (01M)
- f. State the concept of variation (01M)

**Ques 03**

- a. Sketch and explain GO and NO GO plug gauge. (03M)
- b. What is meant by process capability? (03M)
- c. What is P - chart? (01M)
- d. What is 'allowance'? Sates its types (01M)
- e. Explain Working of optical bevel protractor. (01M)
- f. What is precision and accuracy (01M)

**Ques 04**

- a. Explain hole basis system and shaft basis system (03M)
  - b. Explain the spiral progress in quality with neat sketch. (03M)
  - c. State the principles of motion economy (01M)
  - d. What are therbligs. (01M)
  - e. Sketch the Solex type pneumatic comparator. (01M)
  - f. Differentiate between cost of quality and value of quality (01M)
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