

JK Lakshmipat University, Jaipur
Institute of Engineering and Technology
End Term Examination

B. Tech. 2nd Year/ 3rd Semester Mechanical Engineering 2013

Student ID



Course Name: Advance Machine Drawing

Course Code: ME 305

Instructions:

Max Marks: 40

Time: 03.00 hr

1. Attempt all sections.
2. Mobile phones are strictly prohibited in the examination hall.
3. Before answering the question, read it carefully.

Section A

(10 Marks)

Q. No. 1. Explain the features of the following Commands in Creo 2.0

(1 × 5 = 5 Marks)

- a) Patterns
- b) Shell Feature
- c) Hole & Its Type
- d) Slot Connection
- e) Swept Blend feature

Q. No. 2 Explain the features of the following Commands with neat and clean sketches

a) Rib

(2.5 Marks)

b) Chamfer

(2.5 Marks)

Section B

(20 Marks)

Q. No. 3 Explain various Riveted Joints with sketches.

(5 Marks)

Q. No. 4 Define the Surface texture and explain its elements in details with sketches.

(5 Marks)

Q. No. 5 Explain surface finish symbols and their elements with sketches.

(5 Marks)

Q. No. 6 Explain various welding joints and their symbolic representations with sketches.

(5 Marks)

Section C

(10 Marks)

Q. No. 7(a) What do you mean by clutch? Explain cone friction clutch with the help of sketch

(5 Marks)

Q. No. 7(b) Explain linear and geometric tolerances with sketches.

(5 Marks)