



## CHANDIGARH ENGINEERING COLLEGE LANDRAN (MOHALI)

Date of Exam.

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Roll No.

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B.Tech. (CSE & IT) (Sem.–1)  
**Engineering Graphics and Design**  
Subject Code: BTME-101-18

Time: 1 Hour

Max. Marks: 20

### INSTRUCTIONS:

1. Section-A is compulsory. Each question carries 02 marks.
2. Attempt any two questions from Section-B. Each question carries 05 marks.
3. Attempt any one question from Section-C. Each question carries 06 marks.

#### Section-A

1. What do you mean by single stroke letters?
2. What is Representation Factor (RF)?

#### Section-B

3. Write the following in single stroke letters in 7:4 and by taking height of 12mm.

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4. Draw the projections of a point 'P', when it is

(a). 30mm above HP and 25mm behind VP.

(b). in HP and 35 mm in front of VP.

5. Draw a plain scale for 1 cm = 1m to read decimeters, to measure maximum distance of 5 m. Show on it a distance of 3 m and 5 dm.

#### Section-C

6. Draw the projections of a line AB, 60mm long when it inclined to HP at 30° and parallel to VP. One of its end point A is in HP and 15mm in front of VP.

7. Draw the projections of a line AB, 60mm long when it inclined to VP at 45° and parallel to HP. One of its end point A is in VP and 20mm above VP.