# GREENLAWNS HIGH SCHOOL <br> TERMINAL EXAMINATION YEAR 2020 TECHNICAL DRAWING APPLICATIONS 

CLASS : IX
TIME: 2.5 HOURS MARKS : 60
Instructions:

1. Students must read the question carefully.
2. Solve the paper on loose sheets of paper
3. Write your name Std Roll No. on each sheet
4. Click a picture and upload the images to classroom as a pd f.

Name your pdf as roll no.,name,std div e.g 15 Gunjan Bharwani 9A.
5. Turn in the assessment once you are done.
6. Question no. 1 is compulsory
7. Attempt any 3 questions from the other four
Q. 1 Refer Figure below. Copy the given figure . Insert any six dimensions.


## (ATTEMPT ANY 3)

Q. 2 a. Refer Figure (2) below. Draw a smooth curve passing through Points A,B,C and D

## Question 2.

Copy the figure 1 given below. Draw a continuous arc passing through points
$A, B, C$, and $D$ in order.

Q.2b. Construct a pentagon of side 45 mm . show all construction
Q. 3 a. Inscribe an octagon inside a square of side 80 mm .

Measure the side of the octagon.
Q. 3 b. Draw direct common tangents two circles of radii 35 mm And 45 mm and distance between their centers is 90 mm . Measure and record its length.
Q. 4 Draw a hexagon of side 65 mm . Inscribe six circles inside the Hexagon such that each circle touches two side of the hexagon And two other circles.
Q. 5 Draw a circle of radii 55 mm . Inscribe Five circles inside the Circle such that each circle touches the larger circle and two Other circles.

