DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE
RAIGAD -402 103
Semester Supplementary Winter Examination: Dec-2019

Branch:- Bachelor of Architecture   **Sem.:- I**

Subject:- Architectural Drawing and Graphics-1(Manual)

Subject Code:- AR10100002   **Marks: 50**

Date:- 04-12-19   **Time:- 3 Hr.**

Instructions to the Students
1. The **First** question is compulsory.
2. Solve any *TWO* out of remaining questions.
3. Do not erase the construction lines.
4. Solve all questions on drawing sheets.
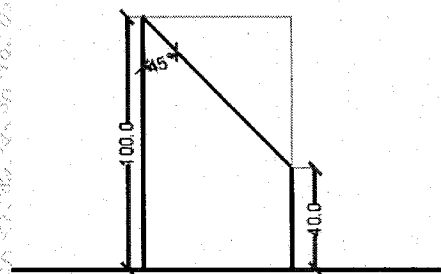5. Assume suitable data wherever necessary

Q. No. 1 Construct the following regular polygons of side length 60 mm, using any one method in each case -   **(5x2=10 Marks)**
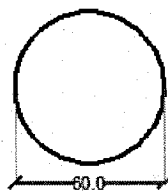   i.   Septagon
    ii.   Pentagon

Q. No. 2 Show the development of surfaces for the truncated cylinder shown in figure below-   **(20 Marks)**

Elevation

Plan   All dimensions are in mm

Truncated cylinder

Q. No. 3 A square pyramid, base 50 mm and axis 70mm long, has its base on H.P. and all the edges of base equally inclined to V.P. It is cut by a section plane, perpendicular to V.P., inclined at 45° to the H.P. and bisecting the axis. Draw its sectional plan, front elevation, sectional side elevation and true shape of section. **(20 Marks)**

Q. No. 4 Draw plan and three side elevations of a pentagonal pyramid, base 40mm edge and axis 65mm long, having base on the H.P. and an edge of the base parallel to the V.P. **(20 Marks)**

End of Paper