

**Roll No:**

**Section-A**

1. A square of side 50 cm is parallel to HP, if one edge is parallel to VP, then Front view length is \_\_\_\_\_ and Front view \_\_\_\_\_ (inclined to reference line/ perpendicular to reference line / parallel reference line)
2. A square of side 50 cm is parallel to HP, if one edge is inclined to VP with angle 30 degree, then Front view length is \_\_\_\_\_.
3. A square of side 50 cm is parallel to HP, if one edge is inclined to VP with angle 30 degree, then area of Top view is \_\_\_\_\_.
4. A square of side 50 cm is parallel to VP, if one edge is parallel to HP, then area of Front view is \_\_\_\_\_.
5. A square of side 50 cm is parallel to VP, if one edge is parallel to HP, then Top view is \_\_\_\_\_ ( parallel to reference line/perpendicular to reference line/inclined to reference line).
6. Isometric scale is \_\_\_\_\_.
7. Difference between isometric view and isometric projection.
8. For getting isometric view what are angle of rotation \_\_\_\_\_.
9. What do you understand by isometric view.

**DEPARTMENT OF MECHANICAL ENGINEERING**  
UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, CSJM UNIVERSITY, KANPUR  
**Engineering Drawing (TCA-S101)**

**Semester: 2022-23 (Odd Semester)**

**Year: 1<sup>st</sup> Year (2K22)**

**Mid Semester Examination (II)**

**Time: 1.5 h**

**Maximum marks: 30**

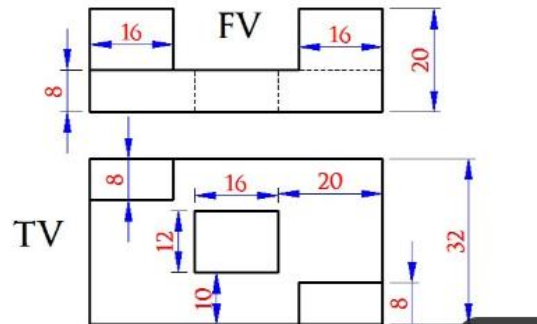
All questions are compulsory

**Section-B**

1. Draw isometric view of cube of side 5 cm.
2. Draw isometric view of cylinder of radius 2.5 cm and height 7.5 cm.
3. Draw isometric view of square of side 5 cm.

**Section-C**

1. Draw isometric view of given orthographic projection.



2. Draw the projection of a square of side 5 cm is parallel to HP and one edge inclined to VP at an angle 30 deg.