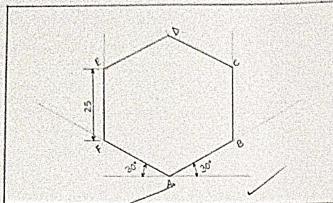
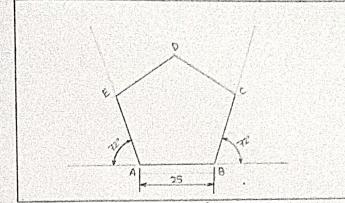


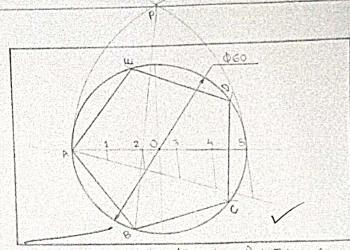
CONSTRUCT A REGULAR HEXAGON OF SIDE LENGTH 25MM IN EXTERIOR ANGLE METHOD WHEN ONE SIDE IS HORIZONTAL.



CONSTRUCT A REGULAR HEXAGON OF SIDE LENGTH 25MM IN EXTERIOR ANGLE METHOD WHEN ONE SIDE IS VERTICAL.

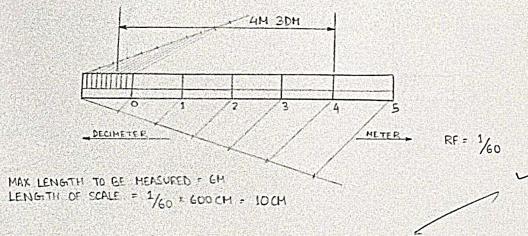


CONSTRUCT A REGULAR PENTAGON OF SIDE LENGTH 25MM IN EXTERIOR ANGLE METHOD WITH ONE SIDE HORIZONTAL.

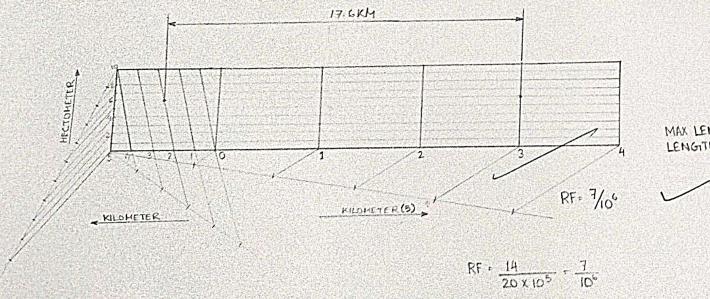


INSCRIBE A POLYGON (PENTAGON) WITHIN A CIRCLE OF DIAMETER OF 60MM ✓

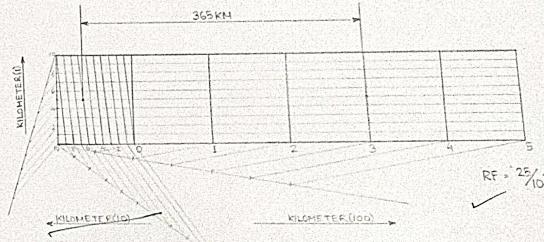
DRAW A SCALE OF 1:60 TO SHOW METERS AND DECIMETERS AND LONG ENOUGH TO MEASURE UPTO 6 METERS. SHOW A DISTANCE OF 4M & 30M ON THE SCALE.



ON A MAP THE DISTANCE BETWEEN TWO POINTS IS 14CM. THE REAL DISTANCE BETWEEN THEM IS 20KM. DRAW A DIAGONAL SCALE OF THIS MAP TO READ KILOMETERS AND HECTOMETERS AND TO MEASURE UPTO 25KM SHOW A DISTANCE OF 19.6 KM ON THIS SCALE.



THE DISTANCE BETWEEN TWO RAILWAY STATIONS IS 100KM AND IS REPRESENTED BY 25CM. DRAW A DIAGONAL SCALE SHOWING SINGLE KILOMETER AND LONG ENOUGH TO MEASURE UPTO 600KM. SHOW A DISTANCE OF 365KM OUT OF THIS SCALE.



9.5 TULL. GEOMETRICAL CONSTR.

CTIONS & SCALES

SCALE : 1:1 , SHEET NO - 2

DATE OF COMMENCEMENT: 19-04-24

DATE OF SUBMISSION: 26-04-24

JADAVPUR UNIVE
SALT LAKE CAMPUS, KOL

DRAWN: MEHENDI SIL

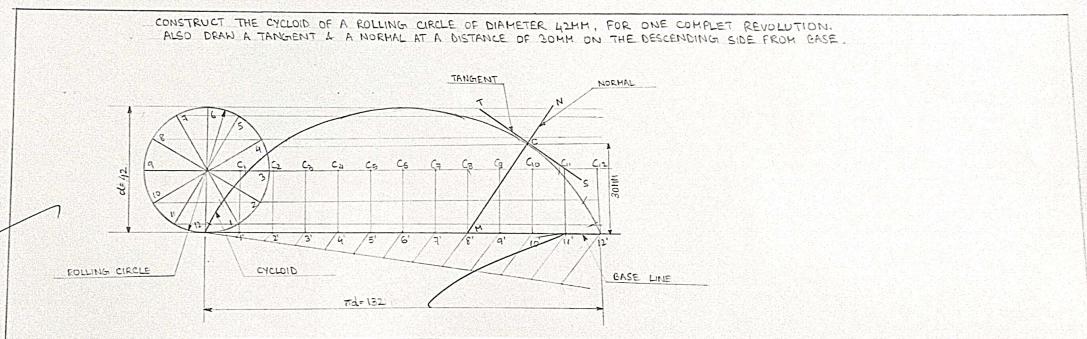
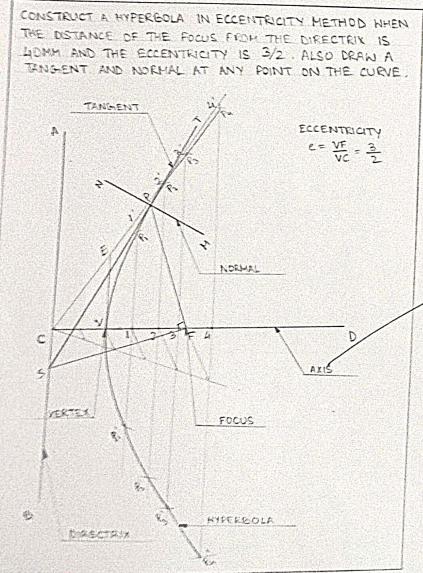
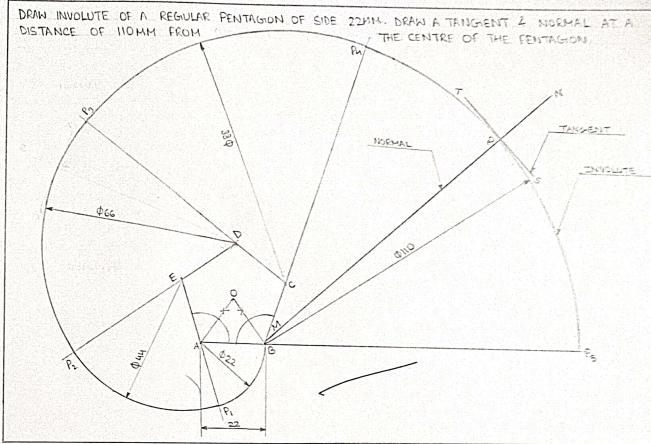
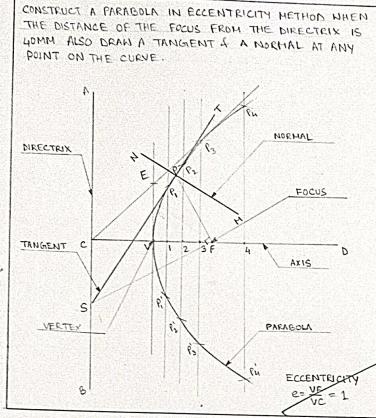
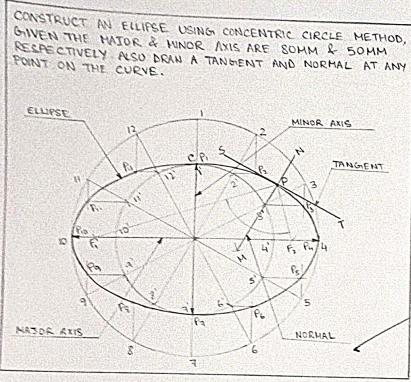
BRANCH: INFORMATION TEC

ROLL NO: 002311001094

CHECKED BY:

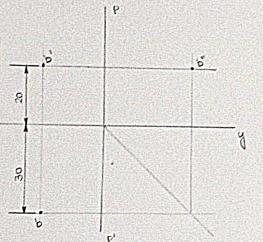
YEAR - 1ST , SEMESTER

SESSION - 2023-24

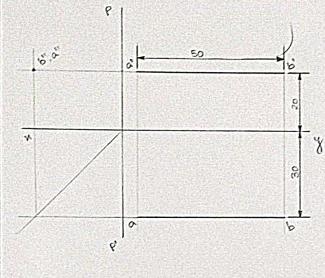


TITLE: CURVED USED IN ENGINEERING		JADAVPUR UNIVERSITY SALT LAKE CAMPUS, KOL-700 09
09	SCALE: 1:1 , SHEET - 3 DATE OF COMMENCEMENT - 26.4.24 DATE OF SUBMISSION - 10.05.24 VSTH	DRAWN BY: MEHENDI SIL BRANCH: INFORMATION TECHNOLOGY ROLL NO: 002311001094 YEAR - 1ST, SEMESTER - 2ND SESSION - 2023-2024
10	CHECKED BY:	

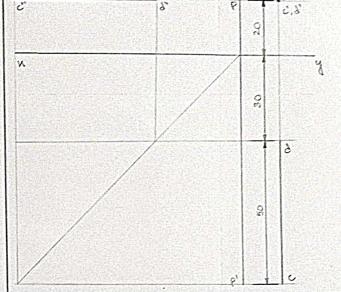
A POINT B IS 20MM ABOVE HP & 20MM IN FRONT OF VP. DRAW FRONT VIEW, TOP VIEW AND LEFT SIDE VIEW (LSV) OF THE POINT.



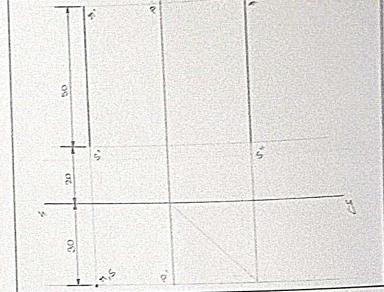
A LINE 50MM LONG IS PARALLEL TO BOTH HP AND VP. END A IS PLACED 20MM ABOVE HP & 20MM IN FRONT OF VP. DRAW FRONT VIEW, TOP VIEW AND RSV OF THE LINE.



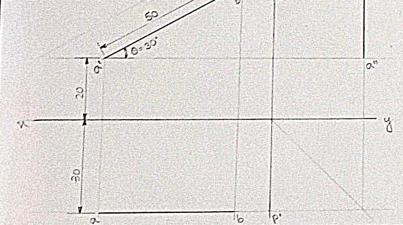
THE LINE CD, 60MM LONG IS PERPENDICULAR TO VP AND PARALLEL TO HP. THE NEAR END D IS 20MM ABOVE HP AND 30MM IN FRONT OF VP. DRAW ALL THREE VIEWS.



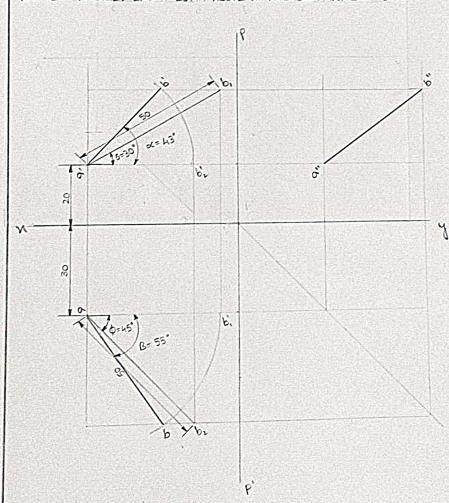
A LINE EF, 50MM LONG IS PERPENDICULAR TO HP AND PARALLEL TO VP. THE NEAR END E IS 20MM ABOVE HP AND 20MM IN FRONT OF VP. DRAW ALL THREE VIEWS. (LEV)



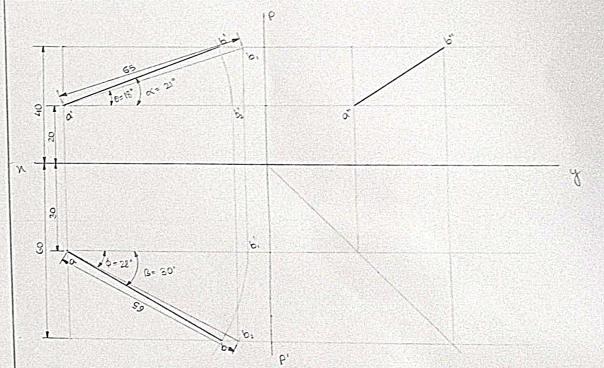
A LINE AB, 50MM LONG IS INCLINED TO HP AT 30° AND PARALLEL TO VP. END A IS 20MM ABOVE HP & 30MM IN FRONT OF VP. DRAW ALL THREE VIEWS.



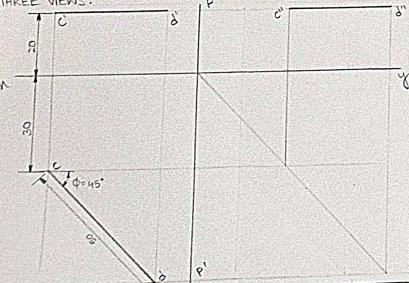
A LINE AB, 50MM LONG IS INCLINED TO HP AT 30° AND INCLINED TO VP AT 45°. DRAW THE PROJECTIONS AND LSV. ALSO SHOW AND MEASURE THE APPARENT ANGLE. END A IS 20MM ABOVE HP AND 20MM IN FRONT OF VP.



A LINE CD, 60MM LONG IS INCLINED TO BOTH HP AND VP. END C IS 20MM ABOVE HP & 30MM IN FRONT OF VP. END D IS 10MM ABOVE HP AND 20MM IN FRONT OF VP. DRAW FRONT VIEW, TOP VIEW, TRUE ANGLES OF LINE (A & B). ALSO MEASURE THE APPARENT ANGLES. (A & B).



A LINE CD, 50MM LONG IS 45° INCLINED TO VP & PARALLEL TO HP. END C IS 20MM IN FRONT OF VP AND 30M ABOVE HP. DRAW THREE VIEWS.



TITLE: PROJECTION OF POINTS AND LINES

JADAVPUR UNIVERSITY
SALT LAKE CAMPUS, KOL-700098

SCALE: 1:1 SHEET NO: 4

DATE OF COMMENCEMENT: 10/03/24

DATE OF SUBMISSION: 17/03/24

CHECKED BY:

DRAWN BY: MEHENDI SIL

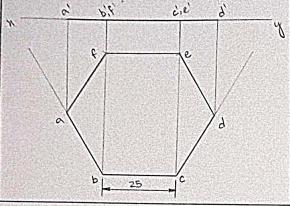
BRANCH: INFORMATION TECHNOLOGY

ROLL NO: 00231001094

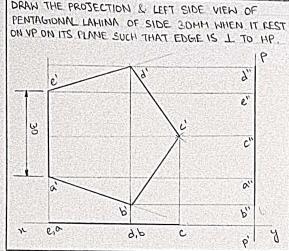
YEAR: 1ST SEMESTER: 2ND

SESSION: 2023-2024

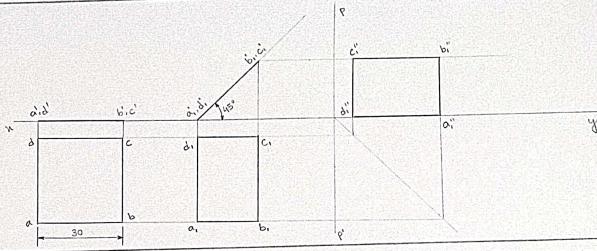
A HEXAGONAL LAMINA OF 25MM RESTS ON HP ON ITS PLANE SUCH THAT ONE OF ITS EDGE IS PARALLEL TO VP. DRAW THE PROJECTIONS.



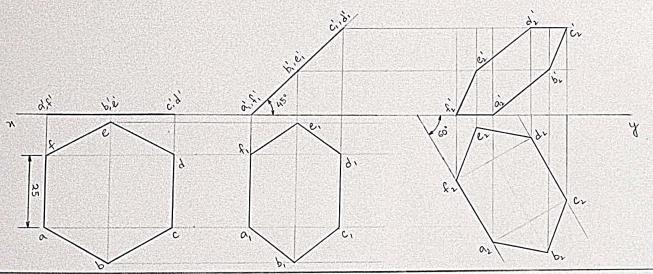
DRAW THE PROJECTION & LEFT SIDE VIEW OF PENTAGONAL LAMINA OF SIDE 20MM WHEN IT RESTS ON VP ON ITS PLANE SUCH THAT EDGE IS \perp TO HP.



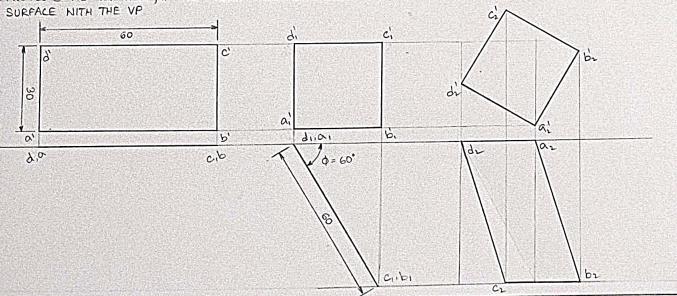
DRAW A PROJECTION OF A SQUARE BANJO 30MM SIDE HAS ONE EDGE ON HP THE SURFACE OF THE PLATE IS \perp TO VP & INCLINED AT 45° TO HP. DRAW THREE VIEWS.



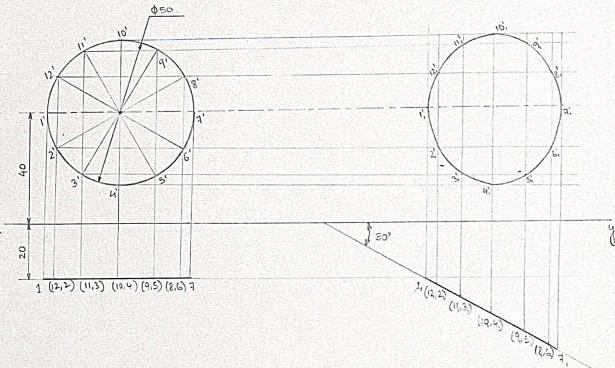
DRAW THE PROJECTIONS OF A REGULAR HEPTAGON OF 25MM SIDE, HAVING ONE OF ITS EDGE ON HP & INCLINED AT 60° TO VP & ITS SURFACE HAVING AN ANGLE OF 45° WITH THE HP.



A RECTANGULAR LAMINA OF 60MM X 30MM HAS ITS SHORTER SIDE ON VP & INCLINED AT AN ANGLE, OF 30° TO HP. PROJECTS ITS TOP VIEW, IF THE FRONT VIEW IS A SQUARE OF 30MM. FIND THE TRUE INCLINATION ϕ OF THE SURFACE WITH THE VP.



A CIRCULAR PLATE OF 50MM DIAMETER, IS HELD SUCH THAT ITS PLANE IS PERPENDICULAR AND INCLINED AT 30° TO VP WITH ITS CENTRE 40MM ABOVE HP AND 20MM IN FRONT OF VP. DRAW THE PROJECTIONS.



TITLE: PROJECTION OF PLANE AND LAMINA

SCALE: 1:1 SHEET: 5

DATE OF COMMENCEMENT:

DATE OF SUBMISSION:

CHECKED BY:

JADAVPUR UNIVERSITY

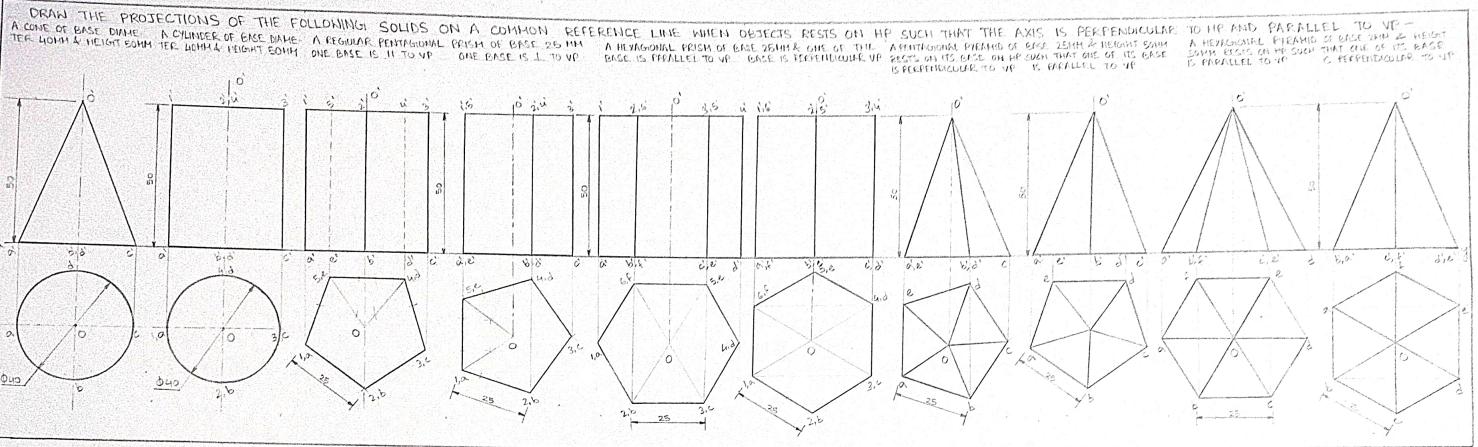
SALT LAKE CAMPUS, KOL - 700098

DRAWN BY: MEHENDI SIL

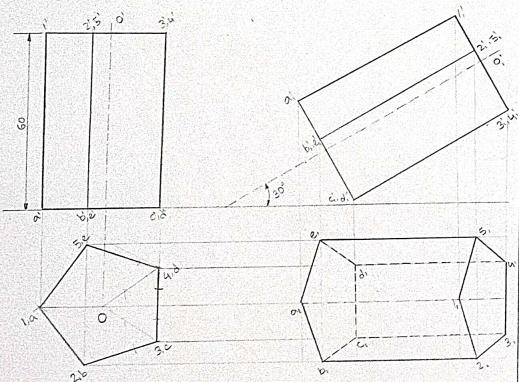
BRANCH: INFORMATION TECHNOLOGY

ROLL NO: 002311001094

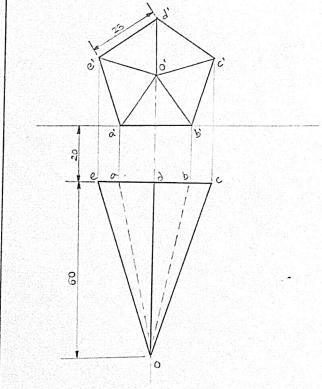
YEAR: 1ST SEMESTER: 2ND
SESSION: 2023-2024



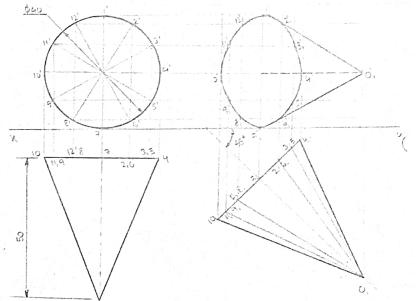
A RIGHT REGULAR PENTAGONAL PRISM, EDGE OF BASE 25MM AND HEIGHT 60MM RESTS ON EDGE OF ITS BASE IN HP SUCH THAT AXIS IS PARALLEL TO VP AND INCLINED TO HP AT 30°. DRAW THE PROJECTIONS.



A REGULAR PENTAGONAL PYRAMID, OF BASE 25MM & HEIGHT 60MM RESTS ON ITS BASE EDGE ON HP 20MM INFRONT OF VP SUCH THAT ITS AXIS IS PERPENDICULAR TO VP & PARALLEL TO HP. DRAW ITS PROJECTIONS.



A REGULAR CONE, BASE DIAMETER 25MM AND LENGTH 60MM, RESTS ON ITS BASE END ON HP MAKING THE AXIS AT ANY ANGLE OF 45° WITH VP AND PARALLEL TO HP. DRAW THE PROJECTIONS.



TITLE: PROJECTION OF SOLIDS

SCALE: 1:1 SHEET: 6

DATE OF COMMENCEMENT: 29/5/24

DATE OF SUBMISSION: 14/6/24

CHECKED BY:

JADAVPUR UNIVERSITY

SALT LAKE CAMPUS, KOL-700098

DRAWN BY: MEHENDI SIL

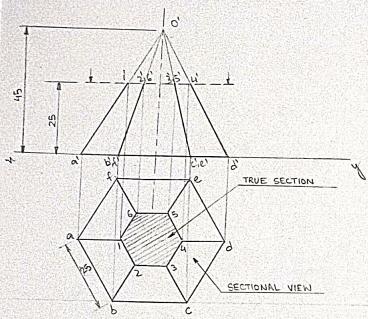
BRANCH: INFORMATION TECHNOLOGY

ROLL NO: 002311001094

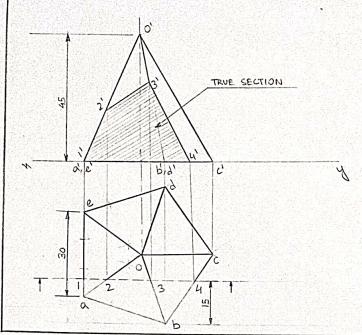
YEAR: 1ST SEMESTER: 2ND

SESSION: 2023-2024

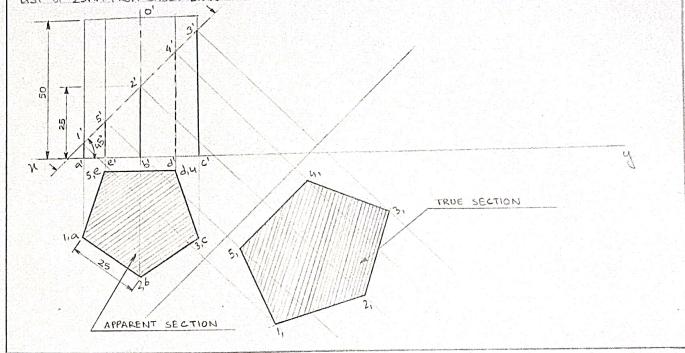
A RIGHT REGULAR HEXAGONAL PYRAMID, BASE EDGE 25MM & HEIGHT 45MM, RESTS ON HP WITH ONE OF ITS EDGE PARALLEL TO VP. A SECTION \perp TO VP & \parallel TO HP CUTS THE PYRAMID AT HEIGHT 25MM FROM BASE. DRAW FRONT & SECTIONAL VIEW.



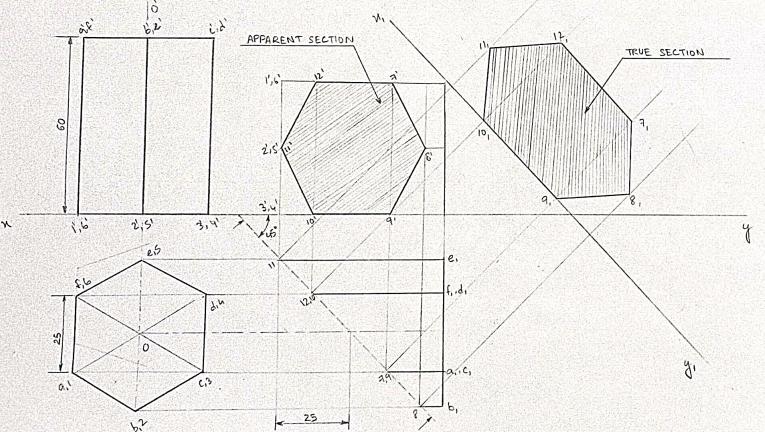
A RIGHT PENTRAGONAL PYRAMID, BASE 30MM, HEIGHT 45MM, RESTS ON HP, WITH ONE OF ITS EDGE \perp TO VP. A SECTION PLANE PERPENDICULAR TO HP & \parallel TO VP CUT AT A DIST. OF 15MM. FROM BASE. DRAW TOP & SECTIONAL VIEW.



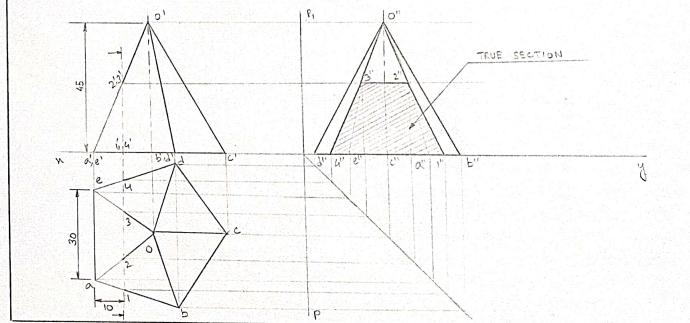
A RIGHT RECTANGULAR PENTAGONAL PRISM OF BASE EDGE 25MM, HEIGHT 50MM, RESTS ON ITS BASE, WITH ONE BASE EDGES \parallel TO VP. A SECTION PLANE \perp TO VP & INCLINED TO HP AT 45° CUTS AXIS AT A DIST. OF 25MM FROM BASE. DRAW THE SECTIONAL TOP VIEW & TRUE SHAPE.



A HEXAGONAL PRISM, BASE EDGE 25MM, HEIGHT 60MM, RESTS ON ONE OF ITS RECTANGULAR FACES SUCH THAT ITS AXIS IS \perp TO BOTH HP & VP. A SECTIONAL PLANE \perp TO HP & INCLINED TO VP AT 45° CUTS ITS AXIS AT A DISTANCE OF 25MM. FROM BASE. DRAW THE TOP VIEW, SECTIONAL & TRUE SECTION VIEW.



A RIGHT RECTANGULAR PYRAMID, SIDE 30MM & HEIGHT 45MM RESTS ON ITS BASE, WITH ONE EDGE \perp TO VP. A SECTION \perp TO BOTH HP & VP CUTS A 10MM FROM BASE. DRAW TOP, FRONT & SECTIONAL SIDE VIEW.



TITLE: SECTION OF SOLIDS

SCALE: 1:1 SHEET NO: 7

DATE OF COMMENCEMENT: 7/6/24

DATE OF SUBMISSION: 21/6/24

CHECKED BY:

JADAVPUR UNIVERSITY

SALT LAKE CAMPUS, KOLKATA - 700098

DRAWN BY: MEHENDI SIL

BRANCH: INFORMATION TECHNOLOGY

ROLL NO: 002311001094

YEAR: 1ST SEMESTER - 2ND

SESSION: 2023-24