|                   | Sem: 1st   | Name of Teaching faculty: Binod Jena (PTGF)  |
|-------------------|------------|--|
| Discipline: Civil |            |  |
|                   |            |  |
| engineering       | No. of     |  |
| Subject:          | No. of     |  |
| Engineering       | days/per   | Semester From Date: 25/10/2022 To Date: 20/02/2023   |
| Drawing           | week class |  |
|                   | alloted: 6 | No. of Weeks: 15   |
| Week              | Class Day  | Theory/ Practical Topics   |
| VVEEK             | 1st        | 1.1 Identify various sizes of drawing boards, drawing sheets as pr BIS   |
|                   | 2nd        | 1.2 List the types of pencils, instruments, and scales (RF).   |
|                   | ZIIU       | 1.3 Demonstrate lying of drawing sheet, margin, standard layout and title block as per BIS, folding principle of |
|                   | 3rd        | drawings (blue prints, print outs etc).  |
|                   | 4th        | 2.1 Demonstrate and explain the use of various types of lines.   |
|                   |            |  |
| 1.0+              | 5th        | 2.2 Demonstrate the principle of single stroke, gothic lettering & numerals as per BIS.                          |
| 1st               | 6th        | 2.2 Demonstrate the principle of single stroke, gothic lettering & numerals as per BIS.                          |
|                   | 1st        | 3.1Significance of scales in drawing; different scales   |
|                   | 2nd        | 3.2 Define and draw plain sale and diagonal sale   |
|                   | 3rd        | 3.2 Define and draw plain sale and diagonal sale   |
|                   | 4th        | 4.1 Explain Conic sections with illustration, Explain terms like focus, vertex, directrix and eccentricity.      |
| _                 | 5th        | 4.2 Draw conics sections by eccentricity method – Ellipse, Parabola and Hyperbola.                               |
| 2nd               | 6th        | 4.3 Draw Ellipse by concentric circle method sand arc of cicle method  |
|                   | 1st        | 4.3 Draw Ellipse by concentric circle method sand arc of cicle method  |
|                   | 2nd        | 4.4 Draw parabola by Rectangle Method and Tangent Method.  |
|                   | 3rd        | 4.4 Draw parabola by Rectangle Method and Tangent Method.  |
|                   |            | 5.1 Demonstrate the principles of 1 st angle and 3 rd angle projections with the help of models and draw         |
|                   | 4th        | symbols  |
|                   | 5th        | 5.2 Draw projection of points.   |
| 3rd               | 6th        | 5.2 Draw projection of points.   |
|                   | 1st        | 5.2 Draw projection of points.   |
|                   |            | 5.3 Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other,       |
|                   | 2nd        | parallel to one and inclined to other and inclined to both reference planes).                                    |
|                   |            | 5.3 Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other,       |
|                   | 3rd        | parallel to one and inclined to other and inclined to both reference planes).                                    |
|                   |            | 5.3 Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other,       |
|                   | 4th        | parallel to one and inclined to other and inclined to both reference planes).                                    |
|                   |            | 5.3 Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other,       |
|                   | 5th        | parallel to one and inclined to other and inclined to both reference planes).                                    |
|                   |            | 5.3 Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other,       |
| 4th               | 6th        | parallel to one and inclined to other and inclined to both reference planes).                                    |
|                   |            | 5.3 Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other,       |
|                   | 1st        | parallel to one and inclined to other and inclined to both reference planes).                                    |
|                   | 2nd        | 5.4 Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon                       |
|                   | 3rd        | 5.4 Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon                       |
|                   | 4th        | 5.4 Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon                       |
|                   | 5th        | 5.4 Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon                       |
| 5th               | 6th        | 5.4 Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon                       |
| 501               | 1st        | 5.4 Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon                       |
|                   | 130        | 3.4 Draw plane figure such as squares, rectaligles, thangles, circle, remagnification flexagon                   |
|                   | and        | E. E. Draw projections of solids such as prices, cylinder, sone, totrohodron and pyramid in simple position      |
|                   | 2nd        | 5.5 Draw projections of solids such as prism, cylinder, cone, tetrahedron and pyramid in simple position         |
|                   | 2rd        | E E Draw projections of solide such as priem, culinder, sono, totach advan and numerical in simple assistant     |
|                   | 3rd        | 5.5 Draw projections of solids such as prism, cylinder, cone, tetrahedron and pyramid in simple position         |
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|                   | 4th        | 5.5 Draw projections of solids such as prism, cylinder, cone, tetrahedron and pyramid in simple position         |
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|                   | 5th        | 5.5 Draw projections of solids such as prism, cylinder, cone, tetrahedron and pyramid in simple position         |
|                   |            |  |
| 6th               | 6th        | 5.5 Draw projections of solids such as prism, cylinder, cone, tetrahedron and pyramid in simple position         |

| 6.1 Draw the sectional projection & development of prism in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of prism, cylinder in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of prism, cylinder in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of rone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of rone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of rone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & developmen |            |   |   |
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| 6.1 Draw the sectional projection & development of prism, cylinder in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of prism, cylinder in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 8th 6th 6.2 Draw true shape of the cutting sec |            |   |   |
| 2nd perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of prism, cylinder in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection of view plane plane plane perpendicular to one reference plane and inclined to other reference plane.  |            | 1st   | ' '   |
| 6.1 Draw the sectional projection & development of prism, cylinder in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 8th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 9th 6th 6th 2th part true shape of the |            |   |   |
| 3rd   perpendicular to one reference plane and inclined to other reference plane.  |            | 2nd   |   |
| 4th perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  8th 6th 6.2 Draw true shape of the cutting sections.  1st 6.2 Draw true shape of the cutting sections.  2nd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  7.1 Draw isometric view & isometric projection  |            | 2 1   |   |
| 4th perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 8th 6th 6.2 Draw true shape of the cutting sections. 2nd 6.2 Draw true shape of the cutting sections. 2nd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3r |            | 3rd   |   |
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| S.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  |            |   |   |
| Sth  |            | 5th   |   |
| S.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  | 711        | CIL   |   |
| 1st   perpendicular to one reference plane and inclined to other reference plane.  | /tn        | 6tn   |   |
| 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 8th 6th 6.2 Draw true shape of the cutting sections. 1st 6.2 Draw true shape of the cutting sections. 2nd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw |            | 1 -1  |   |
| 2nd   perpendicular to one reference plane and inclined to other reference plane.  |            | 1st   |   |
| 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 8th 6th 6.2 Draw true shape of the cutting sections. 1st 6.2 Draw true shape of the cutting sections. 2nd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 3rd vertical with construction of isometri |            | 2 4   |   |
| Signature   Sign   |            | Zna   | <u>'</u>  |
| 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane. 8th 6th 6.2 Draw true shape of the cutting sections. 2nd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw incentive seales. 3rd 6.3 Draw incentive seales. 3rd 6.4 Draw incentive seales. 3rd 6.5 Draw incentive s |            | 24  |   |
| Sth   perpendicular to one reference plane and inclined to other reference plane.  |            | 3ra   | · · · · · · · · · · · · · · · · · · ·   |
| 6.1 Draw the sectional projection & development of cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.  8th 6th 6.2 Draw true shape of the cutting sections.  2nd 6.2 Draw true shape of the cutting sections.  3rd 6.2 Draw true shape of the cutting sections.  4th 6.2 Draw true shape of the cutting sections.  4th 6.2 Draw true shape of the cutting sections.  5th 6.2 Draw true shape of the cutting sections.  5th 6.2 Draw true shape of the cutting sections.  6th 6.2 Draw true shape of the cutting sections.  6.2 Draw true shape of the cutting sections.  7th 6.2 Draw true shape of the cutting sections.  8rd 6.2 Draw true shape of the cutting sections.  7th 0.2 Draw true shape of the cutting sections.  8rd 6.2 Draw true shape of the cutting sections.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7th Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with  |            | 1+h   |   |
| Sth   perpendicular to one reference plane and inclined to other reference plane.  |            | 4th   |   |
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| 1st   6.2 Draw true shape of the cutting sections.   2nd   6.2 Draw true shape of the cutting sections.   3rd   6.2 Draw true shape of the cutting sections.   4th   6.2 Draw true shape of the cutting sections.   5th   6.2 Draw true shape of the cutting sections.   5th   6.2 Draw true shape of the cutting sections.   5th   6.2 Draw true shape of the cutting sections.   1st   6.2 Draw true shape of the cutting sections.   2nd   6.2 Draw true shape of the cutting sections.   2nd   6.2 Draw true shape of the cutting sections.   3rd   6.2 Draw true shape of the cutting sections.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.   7.2 Draw plan, elevation of isingle room buildin   | 0+1-       |   |   |
| 2nd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 4th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 5th 6.2 Draw true shape of the cutting sections. 9th 6th 6.2 Draw true shape of the cutting sections. 2nd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 3rd 6.2 Draw true shape of the cutting sections. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales. 7. | 8tn        |   |   |
| 3rd   6.2 Draw true shape of the cutting sections.   |            |   |   |
| Sth   6.2 Draw true shape of the cutting sections.   |            |   |   |
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| 2nd 0.2 Description of simple appear to 9.8 cm of the transfer   | 11th       | 1st 2nd 3rd 4th 5th 6th 1st 2nd 3rd 4th 5th 6th 1st                                     | vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  8.1 Explain terms related to building drawing  8.1 Explain terms related to building drawing  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah   |
| 3rd   8.2 Draw plan, elevation of single room building with verandah   | 11th       | 1st 2nd 3rd 4th 5th 6th 1st 2nd 3rd 4th 5th 6th 1st 2nd 3rd 4th 5th 6th                 | vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  8.1 Explain terms related to building drawing  8.1 Explain terms related to building drawing  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah   |
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| 4th 9.1 Introduction-Settings, Limits etc.   | 11th       | 1st 2nd 3rd 4th 5th 6th 1st 2nd 3rd 4th 5th 6th 1st 2nd 3rd 4th 5th 6th 1st 2nd 3rd 4th | vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  7.1 Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizontal and vertical with construction of isometric scales.  8.1 Explain terms related to building drawing  8.1 Explain terms related to building drawing  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah  8.2 Draw plan, elevation of single room building with verandah |
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|      | 1st | 9.1 Introduction-Settings, Limits etc.  |
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|      | 2nd | 9.1 Introduction-Settings, Limits etc.  |
|      |     | 9.2 Auto CAD commandsDraw commands (Line, circle, are polygon, ellipse, rectangle). Edit command, |
|      | 3rd | Dimension commands and Modify Commands for two dimensional drafting only.                         |
|      |     | 9.2 Auto CAD commandsDraw commands (Line, circle, are polygon, ellipse, rectangle). Edit command, |
|      | 4th | Dimension commands and Modify Commands for two dimensional drafting only.                         |
|      |     | 9.2 Auto CAD commandsDraw commands (Line, circle, are polygon, ellipse, rectangle). Edit command, |
|      | 5th | Dimension commands and Modify Commands for two dimensional drafting only.                         |
| 14th | 6th | 9.3.1 Orthographic projections of lines, planes sand solids as per chapter 5.0.                   |
|      | 1st | 9.3.1 Orthographic projections of lines, planes sand solids as per chapter 5.0.                   |
|      | 2nd | 9.3.1 Orthographic projections of lines, planes sand solids as per chapter 5.0.                   |
|      | 3rd | 9.3.2 Isometric projection as per Chapter 7.0.  |
|      | 4th | 9.3.2 Isometric projection as per Chapter 7.0.  |
|      | 5th | 9.3.2 Isometric projection as per Chapter 7.0.  |
| 15th | 6th | 9.3.2 Isometric projection as per Chapter 7.0.  |