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<ul> <li>First/Second Semester B.E. Degree Examination Precember 2019</li> <li>ENGINEERING GRAPHICS</li> <li>Time: 3 Hours (COMMON TO ALL BRANCHES) An Marks: 100</li> <li>Note: <ol> <li>Answer three full questions.</li> <li>Use A4 sheets supplied.</li> <li>Draw to actual scale.</li> <li>Missing data, if any, may be assumed suitably.</li> </ol> </li> <li>Draw the projections of a line AbP100 mm long inclined at 45% VP and 30% to HP. One end of the line is 20 mm above HP and in the VP, also thereinine the Apparent length and inclinations.</li> <li>A pentagonal limitian having edges of 25 mm is placed on one of its corners on VP such that the sufface makes an angle 30° with VP and perpendicular bisector of the edge passing through the corner on which the lamina, rests appears to be inclined at 30° to HP. Draw the top and front views of the lamina.</li> <li>A Square prism 35 mm siders of base and 60 mm as silength rests on HP on one of its corners of the base such that the two base edges containing the corner on which it rests make equal inclination with HD. Draw the projections of the prism when the table of the prism is inclined to HP at 40° and uppears to be inclined to VP at 45°. 45 Marks</li> <li>A square prism 35 mm siders of base and 60 mm as is length rests on HP and all the edges of the bases used that the two base edges containing the corner on which it rests make equal inclination with HD. Draw the projections of the prism is inclined to HP at 40° and uppears to be inclined to VP at 45°. 45 Marks</li> <li>A square pyramid base 40 mm sider of VP. It is cut with an inclined section plane so as the trancated surface is at 43° ID its axis, bisection, Draw the development of the truncated pyramid. 0R</li> <li>A hemisphere of 40 mm diameters supported co-axially on the vertex of a cone of base diameter of mm and axis length 50 mm. The flat circular face of the hemisphere is facing the section of the truncate of the base base of the base for the prism base of the hemisphere is facing the prism of the truncate o</li></ul>		
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Time: 3 Hours       (COMMON TO ALL BRANCHES)       An Marks: 100         Note:       1. Answer three full questions.       2. Use A4 sheets supplied.         3. Draw to actual scale.       Missing data, if any, may be assumed suitably.         1.       Draw the projections of a line AP100 mm long inclined at 45% to VP and 30% to HP. One end of the line is 20 mm above HP and in the VP, also determine the Apparent length and inclinations.         1.       A pentagenal lamina having edges of 25 mm is placed on one of its corners on VP such that the sufface makes an angle 30% with VP and perpendicular bisector of the edge passing through the corner on which the lamina.         2.       A Square prism 35 mm Sides of base and 60 mm assistength rests on HP on one of its corners of the base such that the two base edges containing the corner on which if rests make equal inclination with HP. Draw the projections of the prism when the parts of the prism is inclined to HP at 40% and propendicular bisector of the prism is inclined to HP at 40% and propendicular bisector of the prism is inclined to HP at 40% and propendicular bisector of the prism is inclined to HP at 40% and propendicular bisector of the prism is inclined to HP at 40% and propendicular bisector of the prism is inclined to HP at 45.         3.       A sequere prism 35 mm Sides of base and 60 mm assistength rests on HP on one of its corners of the base such that the two base edges containing the corner on which it rests make equal inclination with HP. Draw the projections of the prism when the parts of the prism is inclined to HP at 40% and propendicular bisector of the rism when the same edge at the sufface make equal inclination with HP. Draw the projections of the prism when the same edge at 5		First/Second Semester B.E. Degree Examination, December 2019
<ul> <li>Note: 1. Answer three full questions. 2. Use A4 sheets supplied.</li> <li>3. Draw to actual scale. Missing data, if any, may be assumed suitably.</li> <li>1. Draw the projections of a line AP 100 mm long inclined at 45% to VP and 30% to HP. One end of the line is 20 mm above HP and in the VP, also determine the Apparent length and inclinations. 25 Marks</li> <li>1. A pentagonal amina having edges of 25 mm is placed on one of its corners on VP such that the surface makes an angle 30% with VP and perpendicular bisector of the edge passing through the corner on which the lamina. 25 Marks</li> <li>2. A Square prism 35 mm Sides of base and 60 mm astrength rests on HP on one of its corners of the base such that the two base edges containing the corner on which it rests make equal inclination with HP. Draw the projections of the prism when the prism is inclined to HP at 40% and appears to be inclined to VP at 45°. 45 Marks</li> <li>3. A square pyramid base 40 mm are and axis 65 mm bine has its base on HP and all the edges of the place are equally inclined to VP. It is cut with an inclined section plane so as the truncated surface is at 45% to its axis, bisecting the Draw the development of the truncated pyramid. 30 Marks</li> <li>3. A hemisphere of 40 mm diameteria supported co-axially on the vertex of a cone of base diameter 60° mm and axis length 50 mm. The flat circular face of the hemisphere is facing the corner of the hemisphere is facing the corner of the hemisphere is facing the corner of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the circular face of the hemisphere is facing to the c</li></ul>		ENGINEERING GRAPHICS
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