ANKIT RUMAR SINGH 2017 CS 10328

MCP 100

Minor Test 1(31stAug'17) AY 2017-18 Semester 1

Time: 1 hr 40 mins Total Marks: 40

Note: Draw the border line on the drawing sheet and fill the title block with your details. All the dimensions are in "mm". Dimensioning is not necessary for Q3. Proper lettering and conventions, line work, neatness and cleanliness will be given due weightage.

- Q1. Draw the three orthographic views of the solid given in Fig. 1 in 3rd angle of projection with the overall dimensions in aligned system. Arrow head marked in the figure shows the front viewing direction. (Marks: 14) Marks distribution is as follows:
 - 1. Three views and Line works 12 Marks (i.e. FV (4 Marks), TV (4 Marks), SV (4 Marks))
 - 2. Dimensioning 2 Marks
- Q2. A regular hexagonal pyramid, having a base edge of 30 mm side and height 65 mm, rests on an edge of the base on the HP, with triangular face containing that edge perpendicular to the HP and parallel to the VP. Draw the projections of the pyramid in 1st angle of projection with dimensions. (Marks: 14) Marks distribution is as follows:
 - Initial orientation 4 Marks
 First orientation 5 Marks
 Second orientation 5 Marks
- Q3. The Orthographic projections of a solid in 3rd angle of projection are given in Fig. 2. Draw its isomertic view. (Marks: 12)

