

BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, NAVI MUMBAI

TERM TEST-1

SUB: ENGINEERING DRAWING

DURATION: 45 Mins

CLASS: FE (ALL BRANCHES)

SEM-II

SET: A

Note: 1) Question no. 1 compulsory and solve any one from remaining questions.

2) All dimensions are in 'mm'.

1. A circle of 50 mm diameter rolls along a straight line without slipping. Draw the curve traced by a point P on the circumference of the circle for one complete revolution. Draw normal and tangent at any point on the curve. 6M

2. The plan of 100 mm line PQ measures 80 mm. Point P is 30 mm in front of V.P. and end Q 50 mm above H.P. The end P is in fourth quadrant and end Q is in second quadrant. The line is inclined at 30° to V.P. Draw its projections also find its inclinations with H.P. 9M

3. A pentagonal prism with the side of base 30mm, axis length 60mm has one of its corner of the base in the H.P. such that the rectangular face opposite to this corner makes an angle 40° with the H.P. and perpendicular to the V.P. Draw the projections 9M