Con. 5904-09. F-E.CAll branch) Sem II (REVISED COURSE)
N.B. (1) Question No. 1 is compulsory.
(3 Hours)
[Total Marks : 75
(2) Attempt any four questions out of remaining six questions.
(3) Use drawing sheets only for answering.
(4) All dimensions in figure are in $\mathbf{~ m m}$.
(5) Use your own judgement for any unspecified dimensions.
(6) Use only first angle method of projections.

1. Figure shows a pictorial view of a spindle bearing. Draw to a fy ale, the following views using first angle method of projection :-
(a) Sectional Front View along section plane A-A.
(b) Left hand side view
(c) Top view.

Insert at least ten major dimensions.
2. (a) Side View of AB 75 mm long, makes an angle of 40 degree with $X Y$ line. Draw TV and o Mine when length of side view is 50 mm . Take point $A$ to be 15 mm above $-7 P$ and 55 mm in front of VP the point $B$ being closest to VP.
(b) The distance ora focus from the directrix is 60 mm . Point moves in such a way that the eccentricity is $2 / 3$. Draw the locus of the point and name the curve. Also draw tangent and normal at any point of your choice.
3. (a) A cylinder with base diameter 70 mm and axis length 84 mm has its base in HP.

A square hole of side 36 mm is punched centrally having its sides equally inclined with HP. Draw the development of lateral surface with hole.
(b) Draw neat proportionate free hand sketches of following :-
(i) Square thread profile
(ii) Hexagonal headed bolt.

4．Refer figure and draw ：－
（a）Sectional FV along s－s
（b）LHSV
（c） TV


