Register Number

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E-MECH/M&P/AERO Title of the Paper: Machine Drawing Sub. Code: 6C0067 Date: 22/11/2010

Max. Marks: 80 Time: 3 Hours Session: FN

PART - A Answer ALL the Questions

 Compute the fundamental deviations for a circular hole of 40mm diameter finished to H7 tolerance. (IT 7 magnitude of tolerance is 16i and 40mm lies in the diameter step of 30mm and 50mm)

(10)

- 2. Draw the front and top view of ISO threaded hexagonal bolt 150mm long, 24mm diameter and a thread length of 60mm with a hexagonal nut. Indicate all the proportions and the actual dimensions. (10)
- 3. (a) Draw the surface texture symbol with all the characteristics.(b) Explain position tolerance with suitable diagram. (5)
- 4. Draw the conventional representation for bevel gears and radial ribs. (5)

PART – B

5. Draw the following views of the assembled tail stock using the given part drawings shown in figure – 1.
(a) Front view (35)
(b) Top view (15)

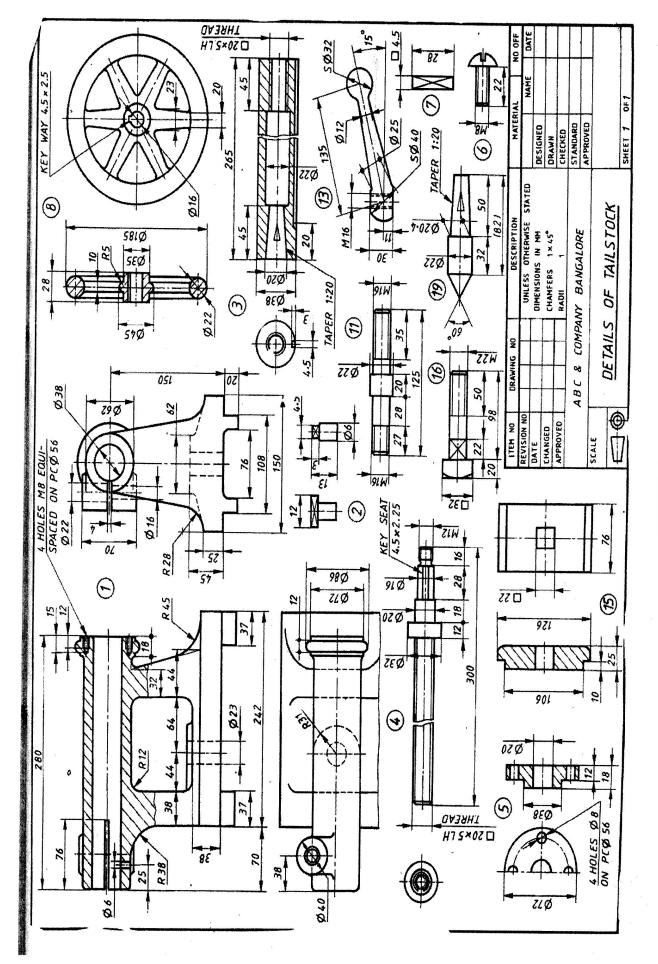


FIGURE -1