

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E – Mechanical & Production

Title of the paper: Machine Drawing

Semester: III

Sub.Code: 16307(2004/2005)

Date: 26-11-2007

Max. Marks: 80

Time: 3 Hours

Session: FN

PART – A

Answer All the Questions

1. Explain the clearance fit in detail. (05)
 2. Compute the fundamental deviations for a circular shaft of 60mm diameter finished to g6 tolerance. (05)
 3. Draw the front and top view of an M20 Hexagonal headed Bolt with nut with the proportional dimensions. (10)
 4. How can you indicate the geometrical tolerances? Explain with examples. (10)
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PART – B

Answer All the Questions

The details of a SCREW JACK are shown in the annexure A. Assemble the parts of the jack and draw the following views of the assembly when the top face of the load bearing cup is raised to a height of 350mm above the bearing surface of the body.

1. Front view in half section. (30)
 2. Top view. (20)
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