



KUMARAGURU
college of technology
character is life

Register Number:

B.E DEGREE EXAMINATIONS: JUNE 2015

(Regulation 2009)

Third Semester

MECHANICAL ENGINEERING

MEC104: Machine Drawing

Time: Four Hours

Maximum Marks: 100

**Answer all the Questions:-
PART A (10 x 2 = 20 Marks)**

1. Draw any four surface finish symbols.
2. What are the components of Sectional view?
3. List the different system of dimensioning.
4. How do you indicate Fits on drawings?
5. List the different types of Fits.
6. List any three geometrical characteristics of Surface.
7. What is the function of knuckle joint?
8. Under what circumstances cotter joints are used.
9. What is meant by selective assembly?
10. Draw the conventional representation of internal thread and external threads.

PART B (1 x 20 = 20 Marks)

11. a) Draw the elevation, plan and side view of a cotter joint with sleeve

(OR)

- b) Sketch the details of Plummer block for standard proportions

PART C (1 x 60 = 60 Marks)

12. a) Part details of a Rams Bottom Safety Valve are show in figure 1. Draw the front view showing one half in sections and Top view of the assembled to 1:2 scale.

(OR)

b) The details of Tail stock are shown in figure 2. Assemble all the parts correctly and draw the front view in section and top view of the assembled tailstock to 1: 1 scale.

