Code :9A03303

R9

II B.Tech I Semester(R09) Supplementary Examinations, May 2011
MACHINE DRAWING
(Mechanical Engineering)

Time: 3 hours   Max Marks: 70

Answer ALL questions
All questions should be on the drawing sheet only
Answers on the drawing sheet only will be valued
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1. Answer any two: [02 x 04=08 Marks]

    (a) Sketch a metric 'V' thread.

    (b) Sketch Woodruff key

    (c) Flat rivet head.

2. Answer any two: [02 x 10=20 Marks]

    (a) Double riveted zig zag, riveted joint with single strap to connect two 10 mm plates.

    (b) Sleeve and Cotter joint to connect two rods of 25mm diameter

    (c) Muff coupling to connect two shafts of 40mm each.

3. Compulsory Question: [01 x 42=42 Marks]
   The part drawings of an ECCENTRIC are enclosed in the sketch. Assumable the parts and
   draw.

    (a) Half sectional front view with top half in section and

    (b) Left side view.

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Details of an eccentric

Part No.	Name	Matl	Qty
1	Straps	CI	2
2	Sheave	CI	1
3	Packing strip	Leather	2
4	Strap bolt	MS	2
5	Stud with nut	MS	2
6	Eccentric rod	Forged steel	1