Code No: R22036   **R10**   SET - 1

II B. Tech II Semester Supplementary Examinations, Nov/Dec-2016
MACHINE DRAWING
(Com. to ME, AME)

Time: 3 hours   Max. Marks: 75

Note: Part A: Answer any TWO of the following questions:
PART-B is compulsory.
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(12.5M ×2=25M)

PART-A

1. a) Sketch the conventional representation of the following   (7M)
   (i) Internal threads (ii) splined shaft   (iii) bearing   (iv) wood
   (v) concrete   (vi) white metal   (vii) kerosene

   b) Sketch a double start square thread of pitch 5 mm and nominal diameter 50   (5.5M)
   mm.

2. a) Sketch neatly, giving proportionate dimensions, the eye foundation bolt of   (6.5M)
   diameter 20mm.

   b) Sketch taper sunk key in two views, as fitted in position between a shaft and   (6M)
   the mounting. Choose the shaft diameter as 20 mm and the hub diameter of the
   mounting as 40 mm.

3. Draw (a) Sectional view from the front and   (12.5M)
         (b) view from above of the Double riveted, double strap zig-zag butt
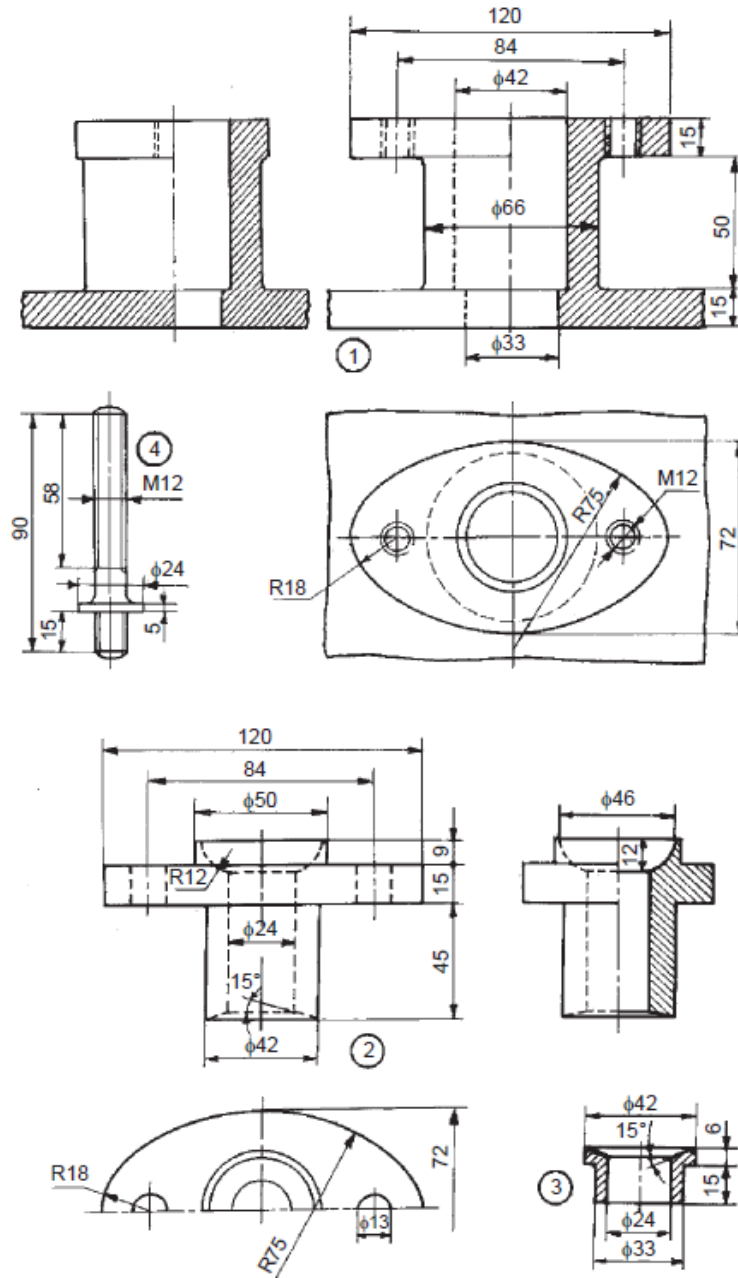   joint join plates of thickness 10 mm

PART-B

4. Details of stuffing box are given in fig 1. Assemble all the parts and draw   (50M)
   (a) Half sectional view from the front
   (b) Top view

Parts list

Part No.	Name	Matl	Qty
1	Body	CI	1
2	Gland	Brass	1
3	Bush	Brass	1
4	Stud	MS	2
5	Nut, M12	MS	2

Fig. 1 Stuffing box

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