

S.B. Roll No.....

ENGINEERING .DRAWING-II
2nd Exam/2454/June'2015

Duration : 3 hrs

M.Marks 100

Note: Any missing dimension may be assumed.

Section-A

Q1. Fill in the blanks: (1.5x 10 = 15)

- (i) The included angle in B.S.W thread is _____
- (ii) In saddle key, the key way is cut in _____ only.
- (iii) The joints which are prepared by welding process are known as _____
- (iv) The outer most portion which joins the adjacent sides of a thread is known as _____
- (v) The standard taper for a key is _____
- (vi) Edge distance = _____ x d in case of rivetted joints.
- (vii) On a Triple start thread, lead = _____ x Pitch
- (viii) A welded joint gives a _____ joint.
- (ix) The angle of chamfer in case of Nut & Bolt is _____
- (x) A cotter is a flat wedge like piece of metal and usually _____ in shape and uniform thickness.

Section-B

Q2. Attempt any five Questions. (5x7=35)

- (i) What is meant by Caulking and Fullering ? Explain with neat sketches?
- (ii) Draw the proportionate sketch of Lock Nut
- (iii) Draw the Curved shape foundation bolt
- (iv) Draw the Metric thread
- (v) Draw the Square thread
- (vi) Draw the ACME thread
- (vii) Draw the proportional sketch of any one type machine screw

Section-C

Attempt any two Questions. (2x25=50)

- Q3. Draw the Elevation, Side and Plan of Hexagonal Headed Bolt, washer and nut assembly
- Q4. Draw the sectional Elevation & plan of a Single Cover, Single Riveted Butt Joint the thickness of the cover plate is 10 mm. Calculate thickness of main plates & dia of Rivets also?
- Q5. The detail of Spigot, Socket and Cotter are shown in the figure 1. Assemble the parts and draw the following view.
 - (i) Front View Upper Half in Section
 - (ii) Side
 - (iii) Plan

FIGURE ATTACHED

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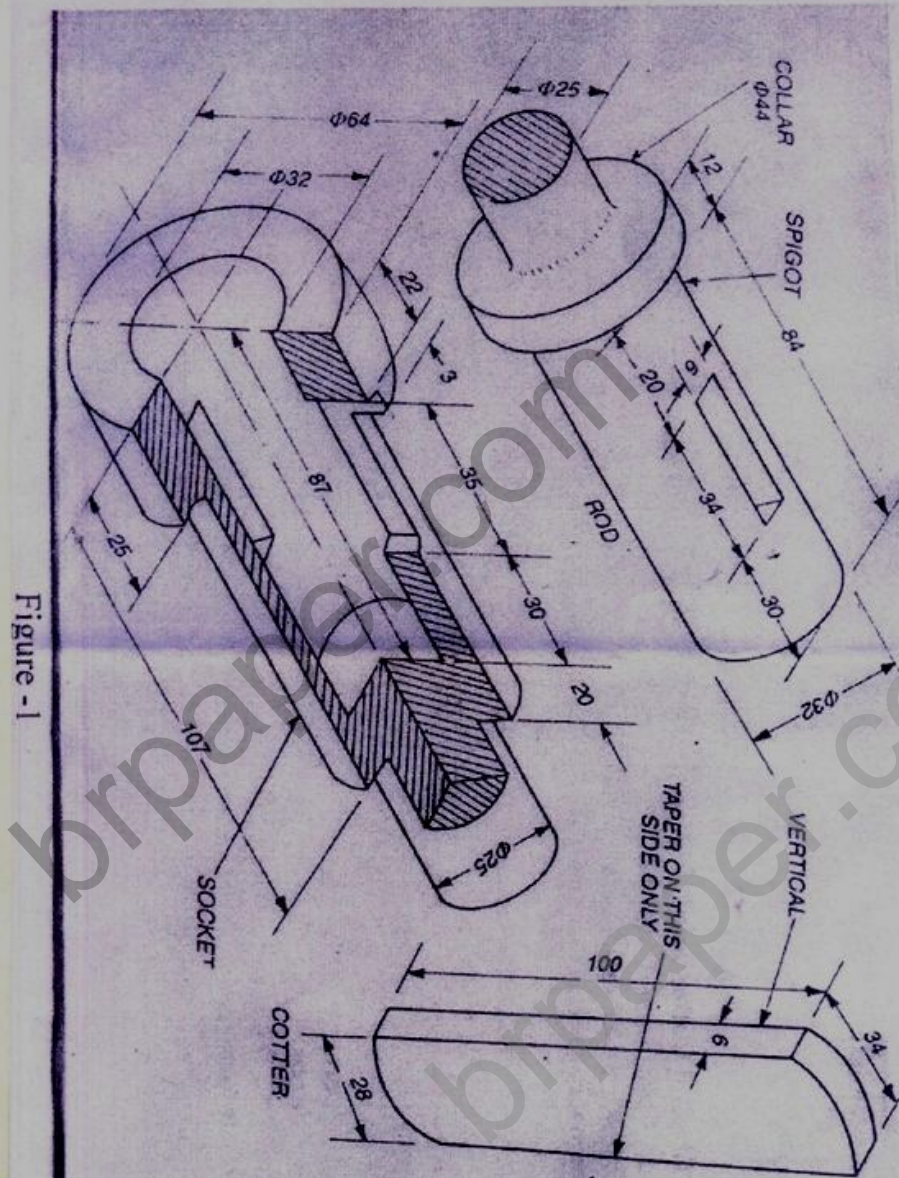


Figure - 1