S.B. Roll No..

Engineering Drawing- II

2nd Exam/Common/2454/2551/5426/May,2015

Duration 3 Hours   **(M. M. 100)**

Note: Attempt any four questions. Question 1 is compulsory . Assume or match any dimension if not given or not matching.

Q. 1 . Fill in the blanks :   **(5 Marks)**

(a) For a 24 mm dia bolt, the hexagonal nut should have width across flats = ……… mm.

(b) A…………………. (Cotter or Key) is always driven at right angles to the shaft axis.

(c) The included angle of Acme thread is …………………….. degree.

(d) If a nut screws –on its bolt when turned in …………………… direction it has right hand threads.

(e) The …………… is used to deliver power from hub to shaft .

   Answer the following   **(5 Marks)**

a) What is Caulking and Fullering ?
b) Enlist the various types of rivet heads?
c) Name the various kinds of wooden joints?
d) What are the various form of V-Threads?
e) Enlist the various types of Nuts?

Q.2. Draw a top view and sectional front view of a double riveted butt joint . Take dimensions in terms of rivet dia'd' taking 15 mm.   **(30 Marks)**

Q.3. Draw the front view and side view of a hexagonal bolt of dia 25 mm with a hexagonal nut and washer.   (**30 Marks**)

Q.4. Draw the following views of spigot and socket joint as shown in figure 1 taking suitable diameter

   (a) Full sectional front view   (b) Side view   (**30 Marks**)

Q.5. Figure 2 shows the pictorial view of wooden joint to be assembled. Draw the following view of the assembly

   (a) Front view   (b) Top View   **(30 Marks)**
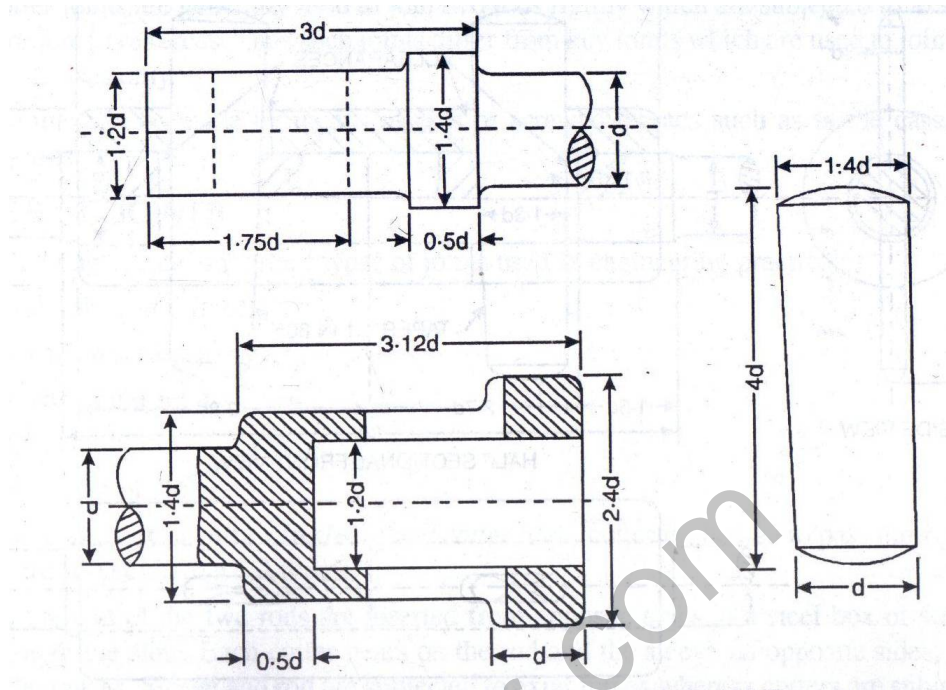
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Figure 1

Figure 2