S.B. Roll No.....

ENGINEERING DRAWING-II

2nd Exam/Civil/Electrical/Auto/2454/2551/5426/Nov'16

Duration : 3 Hrs **M. Marks : 100**

Note : Section-A is compulsory.

SECTION-A

Q.1 Fill in the blanks. **10x2=20**

1. For getting higher efficiency we use ……threads..
2. ……is the surface between crest and root of a thread.
3. A welded joint is ……type of fastening.
4. ……is a cylindrical bar which is threaded at both the ends.
5. ……joint can be easily disconnected.
6. A triple riveted lap joint has ……. rows of rivets in total.
7. The usual proportion of width of keys is ……..
8. The commonly used material used for rivet is……..
9. The angle of chamfer for hexagonal nut is …….
10. The taper on rectangular sunk key is ……..

SECTION-B

Q.2 Attempt any four questions. **4x10=40**

i) Draw three views of a hexagonal nut taking diameter as 24 mm.

ii) Why 'caulking' and 'fullering' of riveted joints is done.

iii) Draw a single riveted lap joint for plates of 10 mm thickness.

iv) Draw the basic thread forms of following threads taking suitable diameters indicating various dimensions

a) Knuckle b) Square c) Acme d) Buttress

v) Sketch a hub and shaft along with a key.

vi) What is washer? Sketch various types of washers.

SECTION-C

Q.3 Attempt any two questions. **2x20=40**

1. Draw three views of a Hexagonal headed bolt with a hexagonal nut and washer taking dia of bolt as 30 mm.
2. Draw top view and sectional view of a single riveted double cover butt joint (Chain type) taking diameter of rivets as 24 mm.
3. Figure 1 shows the component drawing of spigot and socket joint. Draw the following views of the assembly.
   a) Front view upper half in section.
   b) Top view

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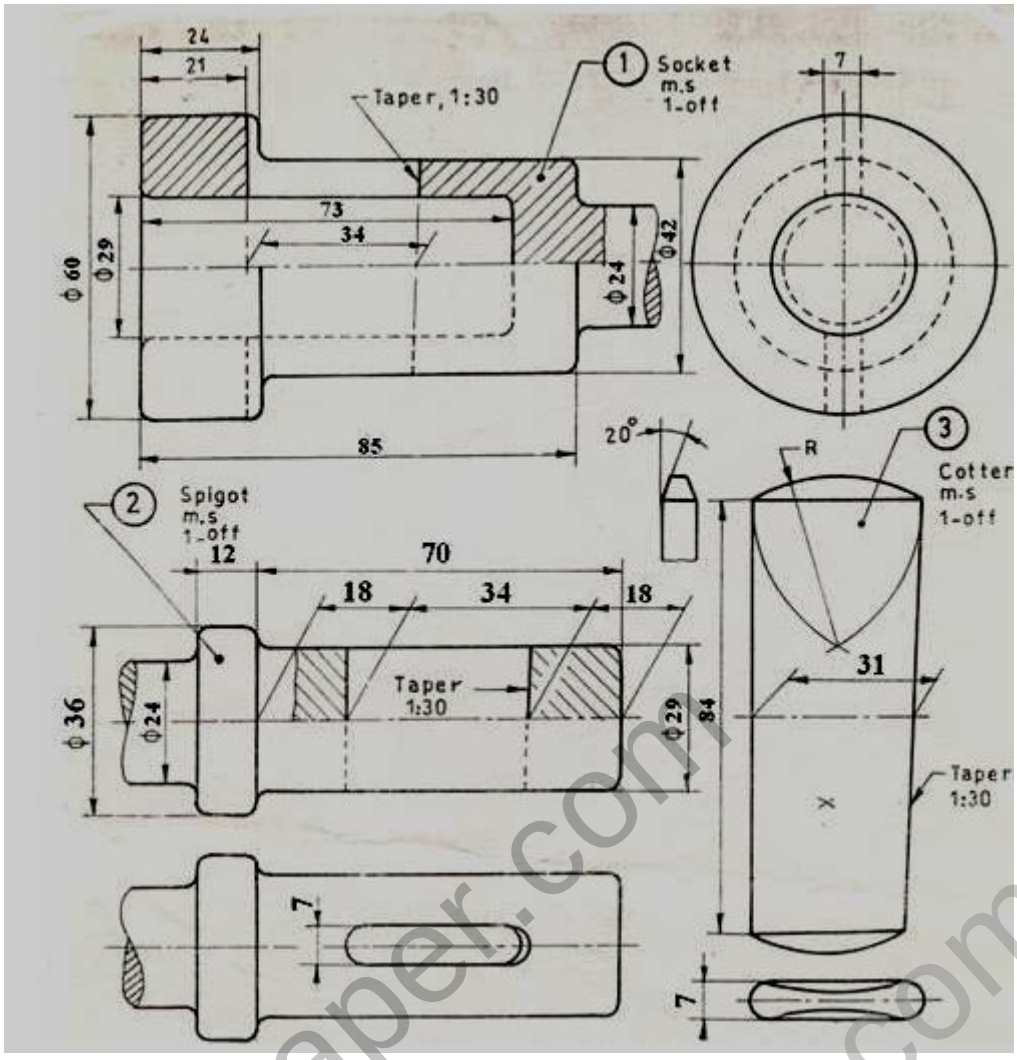

Figure-1