

ENGINEERING DRAWING-II

2nd /Mech/Prod/Chem/PT/TT/Marine/T&DM/Aeronautical/Aerospace/2454/2551/5426/MAY'16

Duration: 3 Hrs

M. Marks=100

SECTION A

Q: 1(A) Fill in blanks:

10x1.5=15

- To draw the single part or several parts individually is called.....
- A lap joint havingrows of rivets either chain or zig-zag riveting, is called a double riveted lap joint.
- Pitch=.....times the diameter of rivet.
- In double start threads lead isthe pitch.
- The inclined angle in British associated thread is.....
- A welded joint gives a.....joint.
- Round keys are commonly used for
-nut is also known as check nut
- Angle of chamfer in case of a hexagonal nut is equal to.....
- A cotter is a wedge like element of.....cross-section.

(B) True and false:

1x5=5

- Two cover plates are used in a lap joint.
- Buttress thread is combination of square and V thread.
- A riveted joint gives a permanent joint.
- A square nut is preferred over a hexagonal nut.
- A knuckle joint is used to fasten two circular rods only under axial load.

SECTION B

Q: 2 Attempt any THREE.

10x3=30

- Fig.1** shows detail drawing of BRIDLE joint. Draw the following assembly views of the joint.
(i) Front view (ii) Top view
- Draw any two threads from following :
(i) Seller thread (ii) B.S.W threads (iii) Knuckle thread. Take pitch=45mm
- Draw the free hand sketch of lock nut and swan nut
- Define key. Explain any five types of key with diagrams
- Draw any two types riveted heads

SECTION C

Q: 3 Attempt any TWO.

25x2=50

- Detail of spigot and socket joint for rods to be joined are given in **Fig.2**. Draw the following Views
(i) Front view upper half section (ii) Top view (iii) Side view
- Draw front view, top view and side view of hexagonal bolt with hexagonal nut and washer take the diameter of bolt= 24mm.
- Draw the sectional front view and top view of a double riveted lap joint (zig-zag riveting). Take diameter of rivet= 24mm.

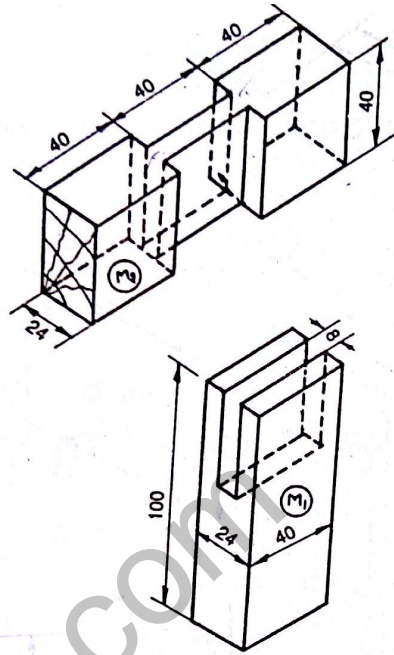


FIGURE - I

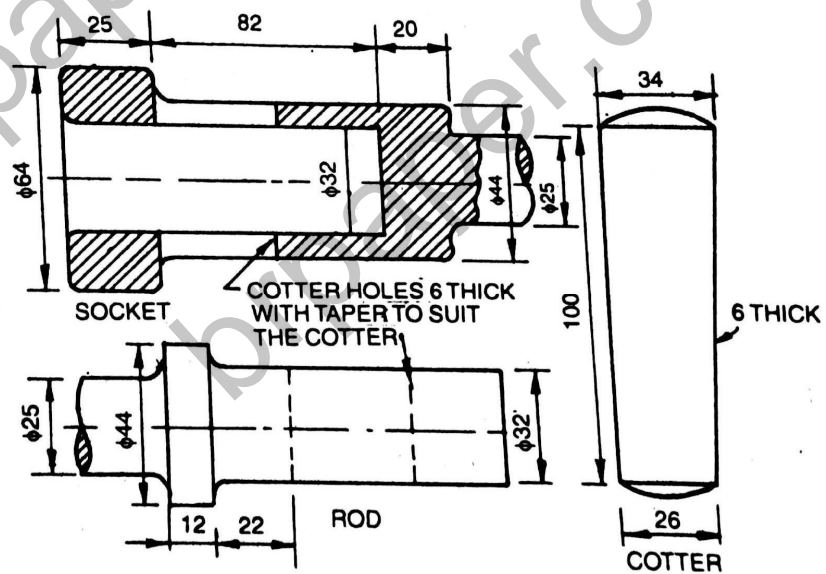


FIGURE - 2