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220125

2nd Sem. / Branch: Agri/Auto/Mech /Mech(T&D Design)

Subject : Mechanical Engg. Drawing-1

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.1 Define the detail drawings.

Q.2 Define pitch of thread.

Q.3 What is use of locking nuts?

Q.4 Define the fullering process.

Q.5 Define shaft coupling.

Q.6 What is use of cotter?

SECTION-B

Note: Short answer type questions. Attempt any three questions out of four questions.(3x6=18)

Q.7 Draw in detail BSW thread

Q.8 Draw front view and top view of hexagonal nut when internal diameter of nut is 20mm

Q.9 Draw free hand sketch of Rag foundation bolt.

Q.10 Draw two views of Castle locking nut with propionate dimensions.

SECTION-C

Note: Long answer type questions. Attempt any three questions out of four questions. (12x3=36)

Q.11 Fig 1 shows the isometric views of members of Corner Bridle joint. Draw its assembled front view, side view and top view.

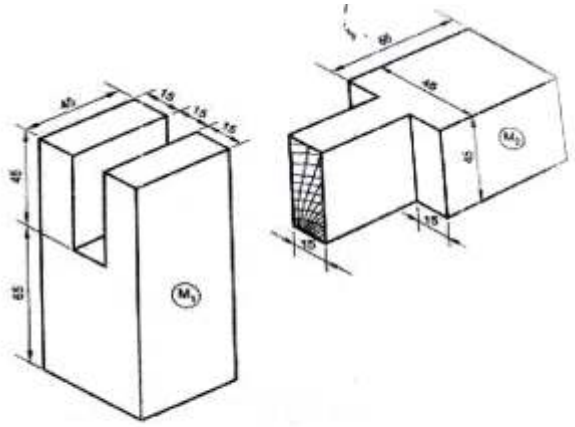

Figure 1

Q.12 Details drawings of Socket and Spigot joint for rods to be joined are shown in figure2 Draw its front view in full in sketch and right side view.

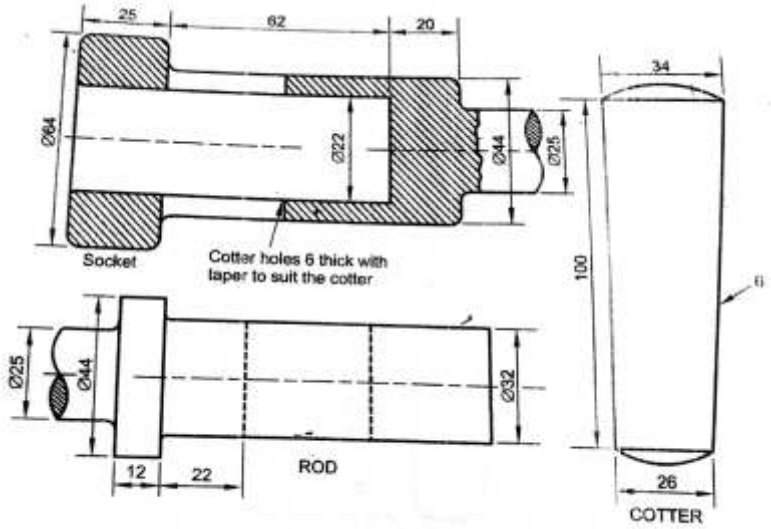

Figure 2

Q.13 Draw the top view and sectional view of double riveted lap joint(chain type). Take diameter of rivet=21mm.

Q.14 Fig.3 shows the detail drawings of flange coupling. Draw the following views of it after assembly:

a) Front view upper half in section

b) End view.

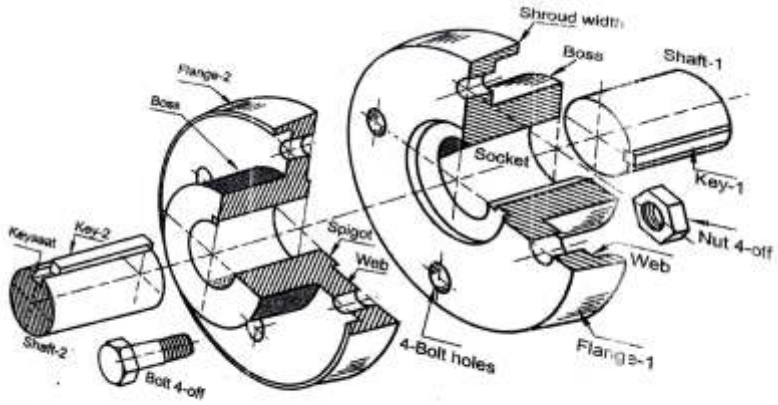

Figure 3