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2nd Sem. / Agri., Automobile, Mechanical,
Mechanical (Tool & Die Design)

Subject : Mechanical Engg. Drawing-I

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 Define Wooden Joints.

Q.2 Define Assembly Drawing.

Q.3 Give example of permanent joint.

Q.4 Define Double start threads.

Q.5 Why caulking is done?

Q.6 Angle between Flanks of ACME threads is _____

SECTION-B

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

Q.7 Draw proportionately the following.

i) Castle nut ii) Split nut

Q.8 Draw the sketch of the following threads

i) Square threads ii) B A Threads

Q.9 Draw the free hand sketch of curved bolt taking suitable dimensions.

Q.10 Draw two views of a flexible coupling.

SECTION-C

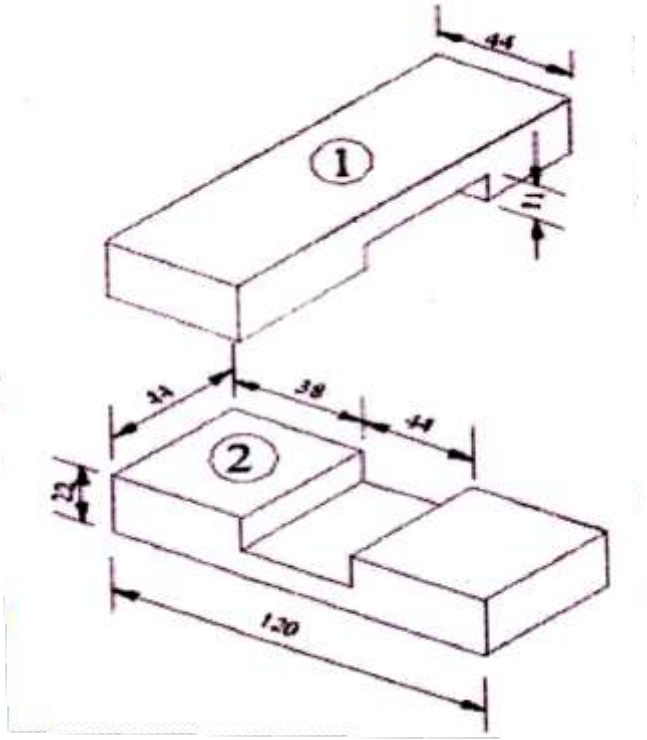
Note: Long answer type questions. Attempt any three questions out of four questions. (3x12=36)

Q.11 The detail of two members of "crossed wooden joints" is shown below in isometric projection.

Assemble the parts together and draw the following views in first angle projection.

i) Front view ii) Top view

iii) Side view



Q.12 Draw sectional Elevation and Top view of double riveted, single cover plant butt joint chain type. Take plate thickness t = 18mm.

Q.13 Draw the free hand sketch of a forged end rigid flange coupling with proportions.

Q.14 The details of Gibs and Cotter joint are given below. Assemble the parts together and draw.

a) Front view upper half in section

b) Side view

c) Top view. Adopt suitable scale, use first angle projection system. Given below.