Figure I.

TEE HALVING JOINT

Figure II

3rd Sem. / Det-L

Subject : Engg. Drawing

Time : 3 Hrs.   M.M. : 100

SECTION-A

Note: Attempt any 15 parts.   (10x2=20)

Q.1   a)   Name   any 4 drawing instruments.

b)   What is Engineering Drawing?

c)   What is orthographic projection?

d)   Define R.F.

e)   What is grid command?

f)   What is the angle of BSW thread?

g)   What do you mean by fullering of riveted joints?

h)   What is diagonal scale?

i)   What is the size of A_1 sheet?

j)   Draw the symbol of cast Iron.

k)   What is coupling?
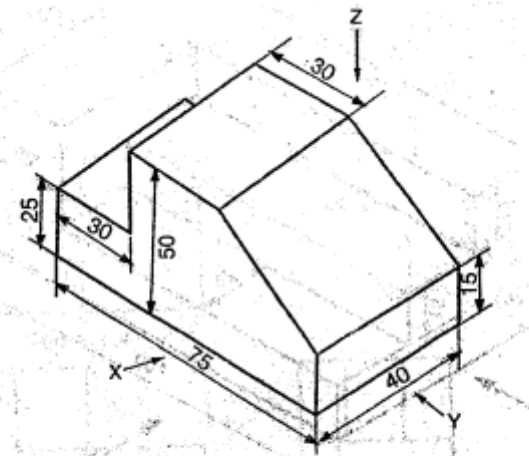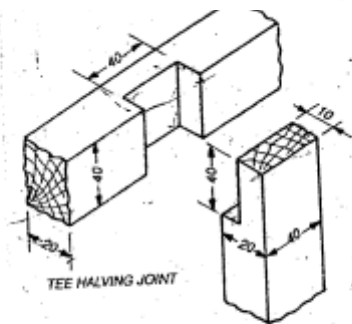
l) Draw the symbol of first angle projection.

SECTION-B

Note: Attempt any 4 parts   4x20=80

Q.1 A rectangular plot 25 square kilometrer is represented on a map by a similar rectangle of area 1cm². Draw a simple scale to show kilometers & long enough to measure upto 80km show on this scale the following distances.

i) 22 km

ii) 56 km

Q.2 Print the following in vertical lettering in single stroke in 7:4

"INDIAN RAILWAYS"

Q.3 Draw the top view & sectional front view of a single riveted double cover. Butt joint for 16mm thick plates show the rivets in chain type.

Q.4 Draw the Front View, Top View & Side View of the given object as shown in fig.1 using first angle projection method.

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Q.5 Draw neat symbols of following (any ten):

i) Petrol

ii) Pipe section

iii) Electric Bell

iv) Thermostat

v) Ammeter

vi) Socket outlet 3 Pin 5 A

vii) Ceiling fan

viii) Safety valve

ix) Towel Rail

x) Indian Type (WC)

xi) Rectangular Bath

xii) Urinary Wall Hung.

Q.6 Figure shows isometric views of members of "Tee Halving wooden Joints." Assemble the parts & draw.

a) Front view

b) Side view

c) Top view

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