Roll No.

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B. Tech. (Sem. - I')

ENGINEERINGDRAWING

SUBJECT CODE : ME - 102

Paoer ID : [A01251

INote: Plcasc fill subject code and prper ID o; OMRI

Time: 03 llours   Maximum Marks :60

Instruction to Candidates:

1) Section - A is Compulsory.

2) Attempt any Fivc questions from Section - B & C.

3) Select alleast Two questions Aom section - B & C.

Section - A

QI)   (Marks: 2 each)

a) What do you understand by auxiliary vertical plane?

b) Draw the symbol of third angle projection system.

c) Why is it not possible to make a drawing using fourth angle projection system?

d) Draw any two types of lines and give their applications.

e) What is an enlarging scale? Give an example.

0) Explain the method of dimensioning a circle with the help of an example.

g) What is an isometric scale?

h) Briefly explain the unidirectional system ofdimensioning.

i) Give two examples of solids of revolution.

j) Draw the plan and elevation of a 50 mm long line AB which is perpendicular to IIP and parallel to VP.

- B

.section   (Marks: I eoch)

Q2) Construct a diagonal scale to read metrcs, decimetres and centimetres for a R.Ir. of 1/50 and long enough to mcbsure up to 5 metres. Show on this scale the following distances :

(a) 2.89 mctres.

(b) 3.67 metres and

(c) 4.44metres.

Q8) Two portions of a square prism have beeuretnoved as shown in its front view in Figure 2 below. Take sia" of tf'" base = 40 mm and length of the axis =70 mm' The axis of the ,oUa i. i,ttli*J at 45" to HP' Develop the remaining portion ofthe solid.

Rcra"rcl

Fiqgre 2

Q9) Ave*icalcylinder of base diameter 40 mm and height 70 mm' resting on its base on HP' is "ompteffiptt"it""a by another horizontal cylinder of base diameter 30 mm,""'d::[ft to rrn""h that their axes bisect:'":h ".T|^.' ,igfriungfo. p**" tt" plt'"tiont of the solids showing curves of intersectton'

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