NETTUR TECHNICAL TRAINING FOUNDATION

CP01 – DIPLOMA IN TOOL ENGINEERING AND DIGITAL MANUFACTURING

FIRST SEMESTER COMMON EXAMINATION - JAN 2023

SUBJECT: ENGINEERING DRAWING	**TOTAL MARKS: 70**
SUBJECT CODE: CP 01 1 08P	**TOTAL TIME: 3HRS**

PART-A **MARKS: 15**
TIME: 15MIN

1.0 FILL IN THE BLANKS **1 X 5 = 5**

1.1   The drawing size is equal to the object size is called _____scale drawing.

1.2   A polygon having 8 side is called _____.

1.3   The size of A4 drawing sheet is _____.

1.4 Continous thick line is used for _____

1.5   In obtuse angle the angle will be greater then _____Degrees.

2.0 CHOOSE THE CORRECT ANSWER **1 X 5 = 5**

2.1 Dimensional values should be placed at the _____ of the dimension line .   **(   )**
     a) Middle   b) Below   c) Near   d) None

2.2 In Third angle projection the top view is drawn above the_____ view.   **(   )**
     a) Front view   b) Top view   c) Side view   d) None

2.3 An image of an object formed on a plane is called_____.   **(   )**
     a) Projection   b) Goemetry   c) Dimension   d) All the above

2.4 The symbol of Third angle projection is _____ .   **(   )**
     a) ⊏◉   b) ◉⊏   c) A&B   d) None

2.5 _____ is example for Full scale.   **(   )**
     a) 1:100   b)100:1   c) 1:1   d) None

3.0 MATCH THE FOLLOWING **1 X 5 = 5**

            A   **B**

3.1 A0   a. Shape

3.2 Enlarge Scale   b. Size

3.3 Drawing   c. 420 X 594 mm

3.4 Dimension   d. 2 :1

3.5 A2   e. 841 X 1189mm

                                    f. 1: 2

A	3.1	3.2	3.3	3.4	3.5
B					

SUBJECT : Engineering Drawing	TOTALTIME: 3 h
SUBJECT CODE: CP 01108P	TOTAL MARKS: 70

MARKS: 55
TIME: 2h 45 mins

1.0 ANSWER ANY FOUR OF THE FOLLOWING   4 x 4 = 16

1.1 Write any four engineering drawing Equipment's used to produce drawing ?

1.2 Write down the main features of Lettering ?

1.3 Draw the standard symbol of First and Third angle Projection ?

1.4 Draw and mention any 4 types of line and its application?

1.5 Draw and mention any 4 different shapes of terminology?

1.6. Write any 2 applications of Ellipse, Parabola and Hyperbola?

2.0 ANSWER ANY THREE OF THE FOLLOWING   3 x 5 = 15

2.1 Rewrite the given sentences using engineering script letter height 10 mm:

NTTF IS COMMITTED TO SYSTEMATIC TRAINING RESPONSIVE TO LEARNER NEEDS, EMERGING TECHNOLOGY AND SOCIAL RESPONSIBILITY THROUGH.

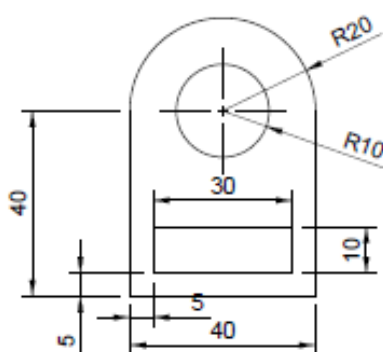2.2 Draw and Convert the given (Figure 1) full scale drawing(1:1) into Enlarged scale (2:1) ratio.
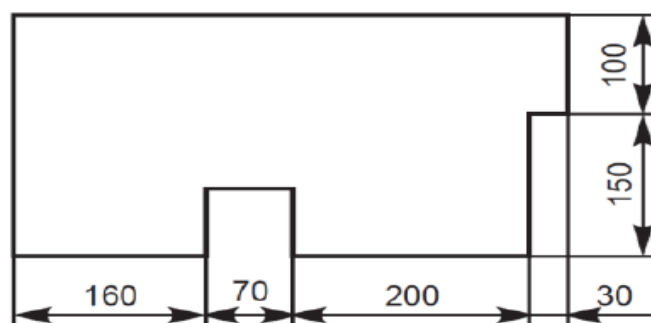

Figure 1   Figure 2

2.3 Divide the Line AB = 120 mm into 5 no's of equal parts.

2.4 Draw and Convert the given (Figure 2) chain dimension into parallel dimension.

3.0 ANSWER ANY TWO OF THE FOLLOWING   2 x 7 = 14

3.1 Draw an ellipse by arc intersecting method of major diameter AB = 100 mm and minor diameter CD = 60 mm respectively.
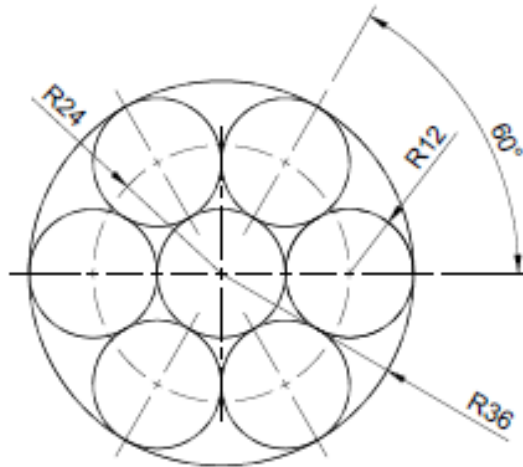
3.2 Redraw the given circles (Figure 3).

Figure 3

3.3 Convert the given Isometric view (Figure 4) into Orthographic view (Front ,Top & Side).

4.0 Redraw the given isometric (Figure 4)as per the given dimensions.   **1 X 10 = 10**
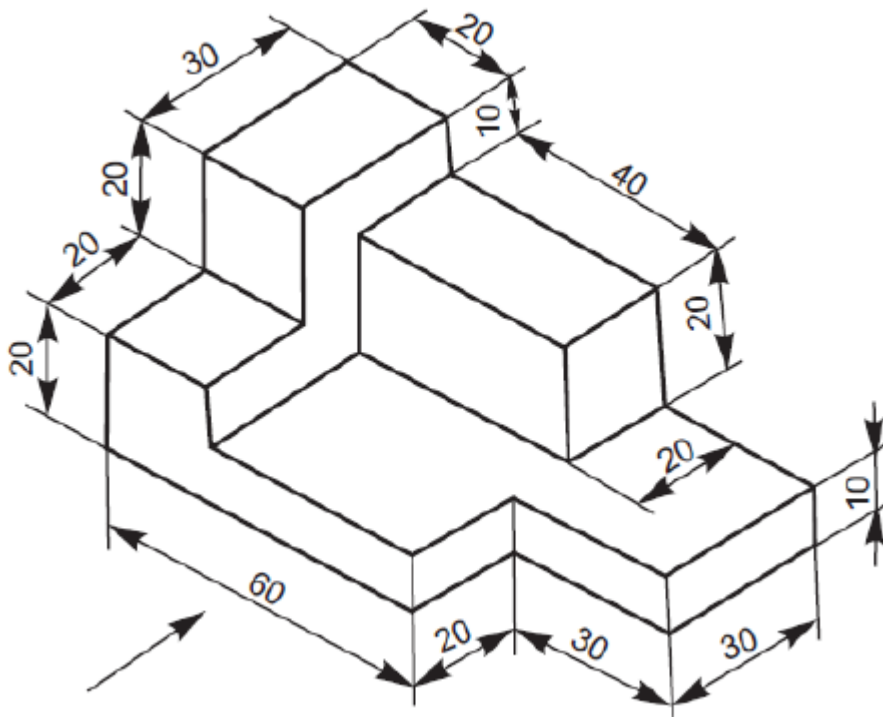

Figure 4