

ಒಟ್ಟು ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ : 5 ]

[ ಒಟ್ಟು ಮುದ್ರಿತ ಪುಟಗಳ ಸಂಖ್ಯೆ : 4

Total No. of Questions : 5 ]

[ Total No. of Printed Pages : 4

ಸಂಕೇತ ಸಂಖ್ಯೆ : **J.T.S. – II**

Code No. : **J.T.S. – II**

ವಿಷಯ : ಇಂಜಿನಿಯರಿಂಗ್ ಡ್ರಾಯಿಂಗ್ – II

Subject : **ENGINEERING DRAWING – II**

ದಿನಾಂಕ : 08 - 04 - 2008

Date : 08 - 04 - 2008

ಸಮಯ : ಮಧ್ಯಾಹ್ನ 2-30 ರಿಂದ ಸಂಜೆ 5-30 ರವರೆಗೆ ]

[ ಪರಮಾವಧಿ ಅಂಕಗಳು : 50

Time : 2-30 P.M. to 5-30 P.M. ]

[ Max. Marks : 50

- Instructions :*
- Answer *all* the questions.
  - Retain the constructional details.
  - All dimensions are in mm.
  - Use first angle projection only.
  - Missing dimensions may be assumed.

I. a) Fill in the blanks with the correct word(s) by selecting from the choices given in the brackets : 5 × 1 = 5

i) The size of the letter is described by its .....

( *height, width, thickness* )

ii) Drawings of buildings are drawn to .....

( *full scale, reduced scale, enlarged scale* )

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- iii) Keys and cotters are used for ..... fastening.  
( *permanent, temporary, time being* )
- iv) When the plane is perpendicular to the axis, the curve is a/an ..... .  
( *ellipse, parabola, circle* )
- v) The projection on horizontal plane is ..... .  
( *side view, top view, front view* )

b) Match the following : 5 × 1 = 5

**Group A**

**Group B**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>i) Addendum</li> <li>ii) Dedendum</li> <li>iii) Square thread</li> <li>iv) Acme thread</li> <li>v) Flank</li> </ul> | <ul style="list-style-type: none"> <li>a) surface between the crest and the root</li> <li>b) general transmission of power</li> <li>c) used in leading screw of the lathe</li> <li>d) used in coupler of railway carriage coupling</li> <li>e) radial height of the tooth above the pitch circle</li> <li>f) radial height of the tooth below the pitch circle.</li> </ul> |
|--|--|

II. Print the following word in single stroke vertical capital letters of height 18 mm with ratio 6 : 5. 7

ARCHITECTURAL

III. Inscribe an ellipse in a parallelogram having sides 150 mm and 100 mm long and an included angle of 120°. 8

OR

Construct a plain scale to read decimetre and metre long enough to measure upto 6 metre, when R.F. =  $\frac{1}{60}$  . Show on it a distance of 3.7 metre. 8

IV. The pictorial view of an object is shown in Figure No. 1. Draw the following orthographic views and mark the dimensions : 10

- i) Front view — looking in the direction of "X".
- ii) Top view — looking in the direction of "Y".
- iii) Side view — looking in the direction of "Z".

**Figure No. 1**

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V. Figure No. 2 shows the front view and side view of a split muff coupling.  
Draw the same in full size ( 1 : 1 size ) : 15

- a) Sectional elevation
- b) Sectional side view.

**Figure No. 2**

