

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

- | | |
|--------------------|---|
| i) Addendum | a) surface between the crest and the root |
| ii) Dedendum | b) general transmission of power |
| iii) Square thread | c) used in leading screw of the lathe |
| iv) Acme thread | d) used in coupler of railway carriage coupling |
| v) Flank | e) radial height of the tooth above the pitch circle |
| | f) radial height of the tooth below the pitch circle. |

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".

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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



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