A **Sl. No. : H**

ಒಟ್ಟು ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ : 6] [ಒಟ್ಟು ಮುದ್ರಿತ ಪುಟಗಳ ಸಂಖ್ಯೆ : 8

Total No. of Questions : 6] [Total No. of Printed Pages : 8

ಸಂಕೇತ ಸಂಖ್ಯೆ : 72 **Code No. : 72**

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REVISED

ಮುದ್ರಿತ ಪುಟಗಳನ್ನು ಪರಿಶೀಲಿಸಿ

ವಿಷಯ : ಇಂಜಿನಿಯರಿಂಗ್ ಗ್ರಾಫಿಕ್ಸ್ - 2

Subject : ENGINEERING GRAPHICS - 2

(ಹೊಸ ಪಠ್ಯಕ್ರಮ / New Syllabus)

(ಪುನರಾವರ್ತಿತ ಶಾಲಾ ಅಭ್ಯರ್ಥಿ/ Regular Repeater)

ದಿನಾಂಕ : 22. 06. 2019] [Date : 22. 06. 2019

ಸಮಯ : ಮಧ್ಯಾಹ್ನ–2-00 ರಿಂದ 5-15 ರವರೆಗೆ] [Time : 2-00 P.M. to 5-15 P.M.

ಪರಮಾವಧಿ ಅಂಕಗಳು : 50] [Max. Marks : 50

General Instructions to the Candidate :

1. This Question Paper consists of 6 subjective types of questions.
2. This question paper has been sealed by reverse jacket. You have to cut on the right side to open the paper at the time of commencement of the examination. Check whether all the pages of the question paper are intact.
3. Follow the instructions given against both the objective and subjective types of questions.
4. Figures in the right hand margin indicate maximum marks.
5. The maximum time to answer the paper is given at the top of the question paper. It includes 15 minutes for reading the question paper.

TEAR HERE TO OPEN THE QUESTION PAPER
ಪ್ರಶ್ನೆ–ಪತ್ರಿಕೆಯನ್ನು–ತೆರೆಯುವುದು ಇಲ್ಲಿ ಕತ್ತರಿಸಿ

Tear here

Instructions : i) Answer *all* the questions.

ii) Retain the constructional details.

iii) All dimensions are in mm.

iv) Use first angle projection only.

v) Missing dimensions may be assumed.

vi) All drawings should be drawn in drawing sheet only.

1. A square pyramid of base 40 mm and axis 60 mm is resting on its base on the H.P. Draw its projections when a side of the base is parallel to the V.P. 5

2. With a neat sketch show the proportions and angle of the following threads :

   a) B.S.W. thread

   b) Metric thread. 5

3. A pentagonal prism of base side 30 mm and axis 70 mm has a corner on the H.P. and the axis is inclined at 45° to the H.P. Draw its projection when the plane containing the resting corner and the axis is parallel to the V.P. 10

4. The front and top views of an angle plate are shown in figure No. 1. Draw its isometric view. 10

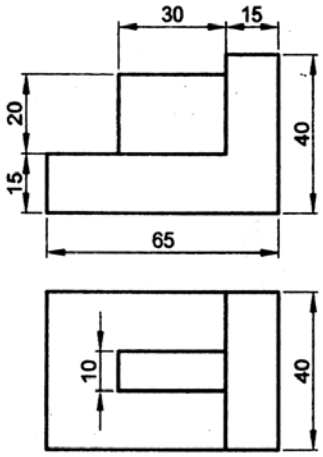


Figure No. 1

5. The pictorial view of an object is shown in figure No. 2. Draw the following orthographic views and mark the dimensions : 10
   i) Front view — looking in the direction of arrow *'X'*
   ii) Top view — looking in the direction of arrow *'Y'*
   iii) Side view — looking in the direction of arrow *'Z'*.

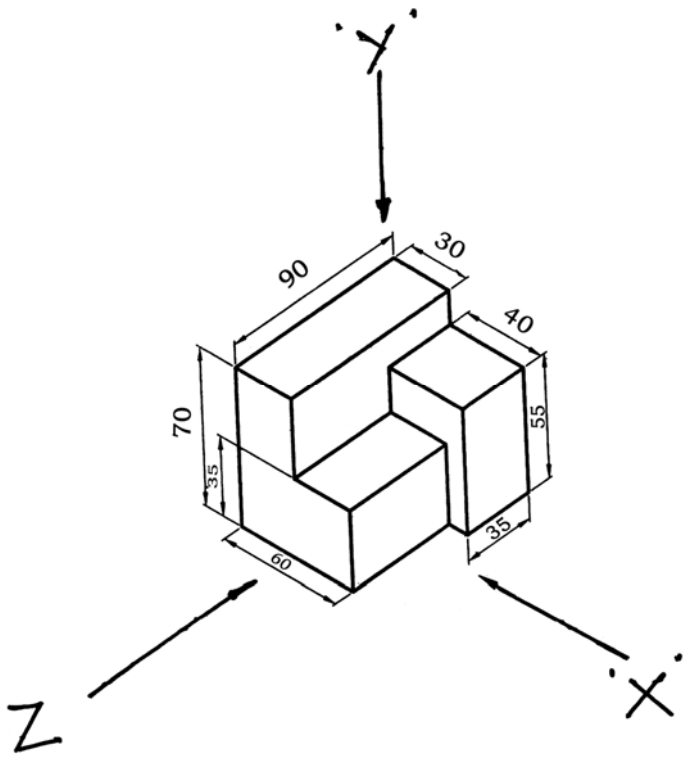


Figure No. 2

OR

The pictorial view of an object is shown in figure No. 3. Draw the following orthographic views and mark the dimensions. 10

i) Front view — looking in the direction of arrow *'X'*

ii) Top view — looking in the direction of arrow *'Y'*

iii) Side view — looking in the direction of arrow *'Z'*.

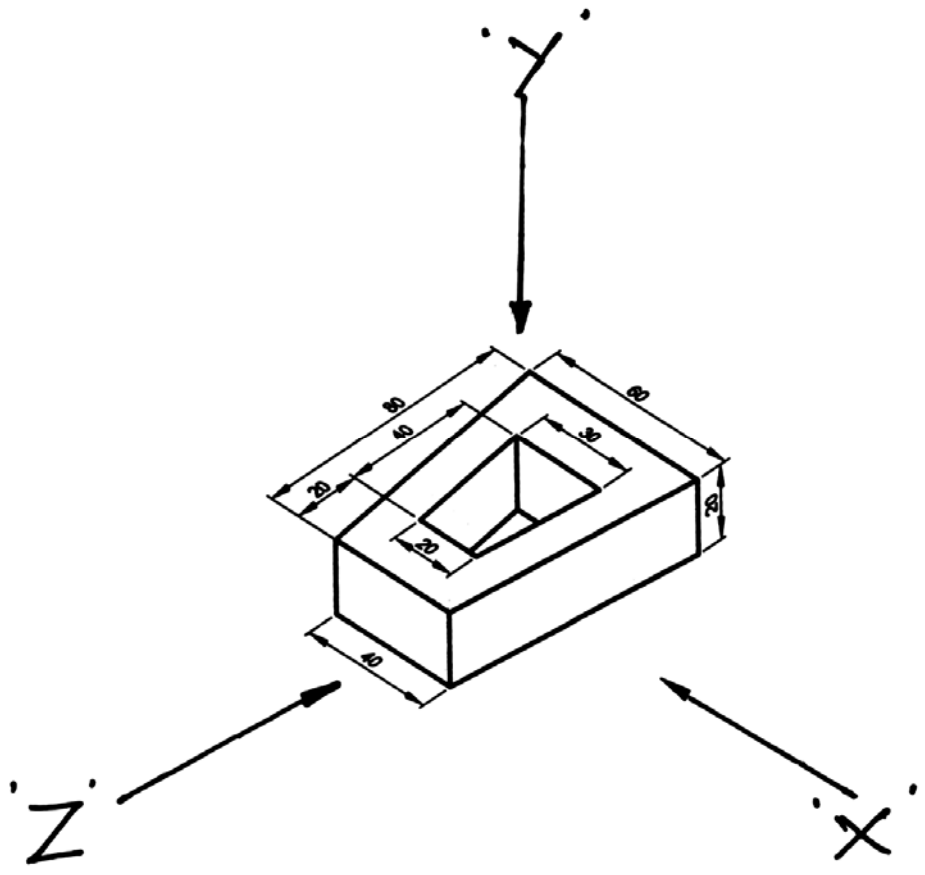
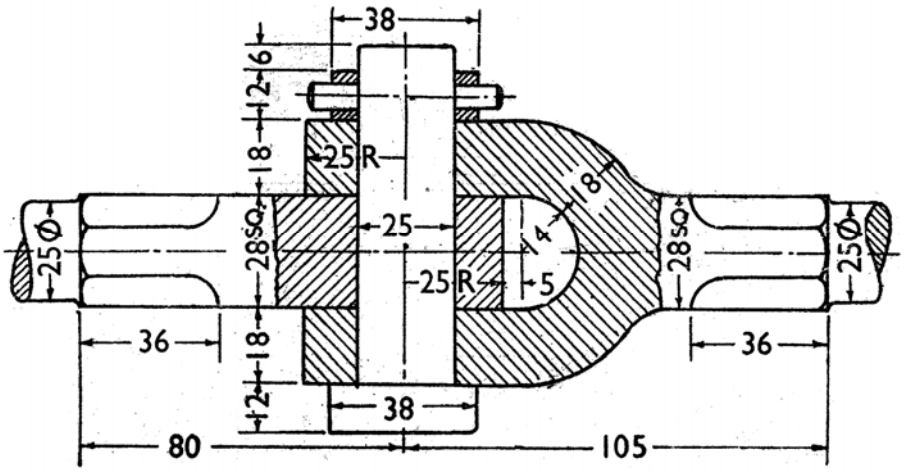


Figure No. 3

6. Figure No. 4 shows the sectional elevation of a pin joint or knuckle joint. Draw the sectional elevation of the pin joint or knuckle joint to full size (1 : 1 size) and mark dimensions. 10



PIN JOINT OR KNUCKLE JOINT

Figure No. 4