Roll						Seri	ial i	No.	of
No.						Q.	С.	А.	В.

ಒಟ್ಟು ಪ್ರಶೆಗಳ ಸಂಖ್ಯೆ : 5] Total No. of Questions : 5] [ಒಟ್ಟು ಮುದ್ರಿತ ಪುಟಗಳ ಸಂಖ್ಯೆ : 12 [Total No. of Printed Pages : 12

[Time : 2-30 P.M. to 5-45 P.M.

[Date : 03. 04. 2012

[Max. Marks: 50

ಸಂಕೇತ ಸಂಖ್ಯೆ : 72

ವಿಷಯ : ಇಂಜಿನಿಯರಿಂಗ್ ಡ್ರಾಯಿಂಗ್

Code No. : 72

Subject : ENGINEERING DRAWING

ದಿನಾಂಕ : 03. 04. 2012]

ಸಮಯ : ಮಧ್ಯಾಹ–2-30 ರಿಂದ 5-45 ರವರೆಗೆ]

ಪರಮಾವಧಿ ಅಂಕಗಳು : 50]

Q. No.	Marks	Q. No.	Marks	Q. No.	Marks	Q. No.	Marks	Q. No.	Marks	
1.		×		×		×		×		
2.		×		×		×		×		
3.		×		×		×		×		
4.		×		×		×		×		
5.		×		×		×		×		
×		×		×		×		×		
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Tota	al Marks in v	words			G	Grand Total				
1. 🗸										
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Sign	ature of Eval	uators	Registra	tion No.		gnature of th Deputy Chiej		Signature of the Room Invigilator		

FOR OFFICE USE ONLY

[Turn over

General Instructions :

- i) The Question-cum-Answer Booklet consists of objective and subjective types of questions having 5 questions.
- ii) Space has been provided against each objective type question. You have to choose the correct choice and write the complete answer in the space provided.
- iii) For subjective type questions enough space for each question has been provided. You have to answer the questions in the space.
- iv) Follow the instructions given against both the objective and subjective types of questions.
- v) Candidate should not write the answer with pencil. Answers written in pencil will not be evaluated. (Except Graphs, Diagrams & Maps)
- vi) In case of Multiple Choice, Fill in the blanks and Matching questions, scratching / rewriting / marking is not permitted, thereby rendering to disqualification for evaluation.
- vii) For reading the questions 15 minutes of extra time has been provided.

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) Fill in the blanks with the correct figure/word(s) by selecting from the choices given in the brackets : $5 \times 1 = 5$

i) The shorter axis of an ellipse is called axis.

(minor, major, irregular)

Ans : _____

ii) Interior or hidden edges and surfaces are shown by lines.

(thick, thin, dotted)

Ans : _____

			3 7
)	Diagonal scale is const	ructe	ed to measure of dimensions.
			(one unit, three units, two units
ns	:		
)	is the	e oute	ermost part of a thread.
			(Crest , Root, Flank
ເຮ	:		
	When a cone is cut by	z a pl	lane parallel to one of the end generators of th
	cone the conic section	will b	be
			(hyperbola, parabola, circle
ns	:		
۸o	tch the following :		5 × 1 =
ha	Group A		Group B
)	Temporary fastening	a)	-
i)	Permanent fastening	b)	
íi)	Involute	c)	cotter joints
7)	Square thread	d)	thin lines
)	Boundary lines	e)	riveted joints
		f)	general transmission of power.
ns	:		
i)			
ii)			
v)			
,			

b)

[Turn over

2. a) Print the given word in single stroke vertical capital letters of height 18 mm with ratio 6 : 5. 5

'HYPOCYCLOID'

 b) The R.F. of a scale is 1/50. Construct a scale to measure metre and decimetre. Mark a distance of 4.6 m. 3. a) Plot an ellipse having major axis 130 mm and the focal points 100 mm apart (Intersecting arc method). 5

Inscribe six equal circles, each touching one side and two other circles in a regular hexagon of 50 mm side.

4. Draw three views of a hexagonal nut for a 24 mm diameter bolt according to approximately standard dimensions. 10

OR

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 arrow 'X'
- (ii) Top view Looking in the direction of arrow 'Y'
- (iii) Side view Looking in the direction of arrow 'Z'.

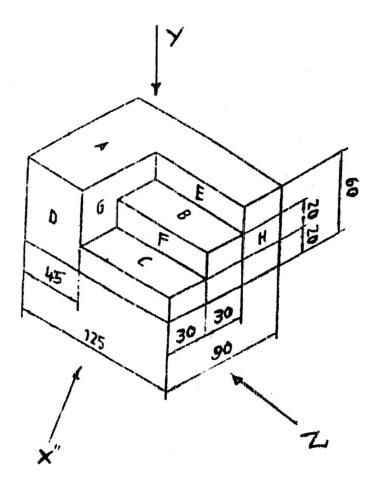
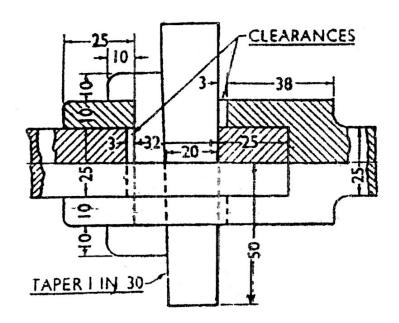


Figure No. 1

5. Figure No. 2 shows the front view of a strap joint with gib and cotter. Draw the same in full size (1:1 size) 10



Sectional elevation top half in section

STRAP JOINT WITH GIB AND COTTER

Figure No. 2

