CCE RR UN-REVISED



ಕರ್ನಾಟಕ ಪ್ರೌಢ ಶಿಕ್ಷಣ ಪರೀಕ್ಷಾ ಮಂಡಳಿ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು – 560 003

KARNATAKA SECONDARY EDUCATION EXAMINATION BOARD, MALLESWARAM, BANGALORE - 560 003

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S. S. L. C. EXAMINATION, JUNE, 2018

ಮಾದರಿ ಉತ್ತರಗಳು

MODEL ANSWERS

ದಿನಾಂಕ : 23. 06. 2018]

Date : 23. 06. 2018]

ಸಂಕೇತ ಸಂಖ್ಯೆ : 72

CODE NO. : 72

ವಿಷಯ : ಇಂಜಿನಿಯರಿಂಗ್ ಡ್ರಾಯಿಂಗ್

Subject : ENGINEERING DRAWING

(ಹಳೆಯ ಪಠ್ಯಕ್ರಮ / Old Syllabus)

(ಪುನರಾವರ್ತಿತ ಶಾಲಾ ಅಭ್ಯರ್ಥಿ/ Regular Repeater)

[ಗರಿಷ್ಠ ಅಂಕಗಳು : 50

[Max. Marks : 50

Qn. Nos.	Sub. Qn.No.	Value Points	Total
1.	a)	 Fill in the blanks with the correct figure/word(s) by selecting from the choices given in the brackets : 5 × 1 = 5 i) The inclination of letters as for inclined lettering as recommended by B.I.S. is	
		 (SR, CR, R) Ans. R iii) The full form of R.F. is	

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Qn. Nos.	Sub. Qn.No.	Value Points	Total
		 iv) Elliptical curves find their use is	
		 (<i>first angle projection, second angle projection, third angle projection</i>) Ans. first angle projection 	5 × 1 = 5
	b)	Match the following : $5 \times 1 = 5$ Group AGroup Bi)Cresta) the surface between creast and rootii)Rootb) the distance between creast and rootiii)Flankc) the distance measured parallel to the axisiv)Depthd) innermost portion of a threadv)Pitche) equal to half the leadf)outermost part of a thread.Ans.i)(f)ii)(d)innermost portion of a threadiii)(a)the surface between creast and rootiv)(b)the distance between creast and rootv)(c)the distance measured parallel to the axis	5 × 1 = 5
2.	a)	Print the following in single stroke vertical capital letters of height 18 mm with 6 : 5 ratio. 5 'HYPERBOLA' Ans. Letter writing H = 6:5 ratio Y = 6:5 ratio P = 6:5 ratio E = 6:5 ratio R = 6:5 ratio B = 6:5 ratio L = 6:6 ratio A = 6:6 ratio	5

Qn. Nos.	Sub. Qn.No.	Value Points	Total
	b)	Construct a scale of 1 : 5 to show decimetres and centimetres and long enough to measure up to 0.5 metre. 5 Ans. 1) R.F. = $\frac{1}{5}$ 2) Length of scale = R.F. × Max. length = $\frac{1}{5} \times 1 \times 50$ cm = 10 cm 3) Divide the length of scale in 10 equal parts each representing 0.5 dm PLAIN SCALE	
		$\begin{array}{c} p \\ A \\ 10 \\ 5 \\ 0 \\ 12 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 9 \\ B \\ CENTIMETRE \\ DECIMETRE \\ \end{array}$	
		R.F. Construction of scale	1 4 5
3.	a)	Inscribe a parabola in a parallelogram of 110 mm × 80 mm sides, the included angle being 60°. 5 Ans. 5 Ans. 5 Provide the second sec	
		Construction of parabola Dimensioning	4 5

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Qn. Nos.	Sub. Qn.No.	Value Points	Total
	b)	Inscribe the largest possible ellipse in a rectangle with	
		160 mm × 100 mm sides. 5	
		Ans.	
		ELLIPSE	
		Construction of ellipse	4
		Dimensioning	4
			5
4.	a)	Differentiate between first angle and third angle projection.	
		Ans.	
		First angle projection	
		i) The object lies in the first quadrant	
		ii) The object lies between the observer and the plane of	
		projection	
		iii) Top view is drawn below the front view	
		iv) The left-hand side view is drawn to the right side of	
		the front view	
		v) The right-hand side view is drawn to the left side of	
		If ont view.	$3 \times \frac{1}{2} = 1\frac{1}{2}$
		i) The object lies in the third quadrant	
		i) The plane of projection lies between the object and	
		the observer	
		iii) The top view is drawn above the front view	



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Qn. Nos.	Sub. Qn.No.	Value Points	Total
		Ans. Ans. $f_{R_0 \wedge T \vee IE }$ $f_{R_0 \wedge T \vee IE }$	2 2 2 1 7
5.		Figure No. 2 shows the sectional elevation of a cone friction clutch. Draw the sectional elevation of the cone	
		friction clutch to half full size (1:2 size) and mark	
		dimensions. 10	

Qn. Nos.	Sub. Qn.No.	Value Points	Total
		-75	
		CONE FRICTION CLUTCH	
		Figure No. 9	
		rigure no. 2	
		Allo. a) Convitte algotable of come function shutch to helf $-i$	
		a) Copy the sketch of cone inction clutch to half size.	8
		b) Dimensioning	<u>2</u> 10

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