

17456

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3 Hours / 100 M	larks	Seat No.							
 Instructions : (1) All questions are compulsory. (2) Illustrate your answers with neat sketches wherever necessary. (3) Figures to the right indicate full marks. (4) Assume suitable data, if necessary. (5) Use of Non-programmable Electronic Pocket Calculator is permissible. (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall. 								·	
								Μ	arks
1. Attempt any five of th	e following :	:							20
 a) Define : i) Repeatability ii) Calibration iii) Sensitivity iv) Reliability. 									
b) Differentiate betwe	een line stand	dard and end stand	lard (At lea	ast four	points).			
c) How templates pla	iys a role to g	guide for cutting p	rocesses?						
d) State the need for v	web stiffener	S.							
e) Differentiate betwee	een the use of	f heat triangles an	d triangles	s of heat	t strips.				
f) Explain processing	; of composit	es.							
g) What is surface cle	U		irface clea	ning.					
h) Give the detail class	sification of 1	measurements.							
2. Attempt any two :									16
a) Enlist the tools use	d in marking	. Explain method of	of marking	out bol	t holes	for fla	anges.		
b) State the methods us of any object.	sed to test stra	aightness. Explain s	spirit level	method	forme	asurin	ıg straig	htness	
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c) Enlist the materials used for templates. Explain the use of templates for hopper plates.

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	Μ	arks
3.	Attempt any two:	16
	a) Explain any one method of manual and machine straightening with neat sketch.	
	b) What are the methods of stiffening sheet metal. Explain the method of stiffening large panels with neat labelled sketches.	5
	c) What are the types of layout ? Explain any two with neat block diagram.	
4.	Attempt any two:	16
	a) Classify composites. Explain the detail procedure for joining of composites.	
	b) Enlist mechanical cleaning process. Explain any one in detail.	
	c) i) State the need of coating.	
	ii) Give two examples of each layout.	
5.	Attempt any two:	16
	a) Explain the procedure for marking out instrument panel.	
	b) State the need of templates. Explain the use of templates to provide an economical arrangement of layout for press work.	Ĵ
	c) What are the methods of stiffening sheet metal. Explain any one with neat labelled sketches.	
6.	Attempt any four :	16
	a) State the factors influencing a factory layout.	
	b) What do you understand by dynamics plant layout.	
	c) Why cleaning process is necessary ?	
	d) Write the shop method of drawing an ellipse.	
	e) Explain how to use of tensioned wire for assignment testing.	
	f) Write the process for marking a hole in T-sections.	

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