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	3242 Ho		70	Marks	Seat	No.							
	T		(1)	All Occestions	C.	L	I	<u> </u>					
	Instru	ictions –		All Questions	*								
				Answer each 1						-			
			(3)	Illustrate your necessary.	answers v	with n	eat sl	ketc	hes	wł	nere	ver	
			(4)	Figures to the	right ind	icate f	ùll m	ark	s.				
			(5)	Assume suitab	le data, if	f neces	ssary.						
			(6)	Use of Non-pr Calculator is p	•		ectron	ic I	Pocl	cet			
			(7)	Mobile Phone, Communication Examination H	n devices	•							
]	Ma	rks
1. Attempt any			any	<u>FIVE</u> of the	following	:							10
	a)	Define Forgeability.											
	b)	Draw the machines		t labelled sketch of simple die used in press									
	c)	Enlist any four press parts used in Automobile											
	d)	l) State the principle of resistance welding.											
	e)	State any	y fou	r advantages of CNC machines.									
	f)	Write th	e me	aning of									
	i) G04												
		ii) M0)4										
	g)	Enlist th	e sui	face cleaning p	processes	used in	n aut	omc	obile	es.			

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- 2. Attempt any THREE of the following: 12 Enlist different forging hand tools. a) b) Explain Deep Drawing Operation with neat labelled sketch. c) Explain process of Seam Welding with neat sketch. d) Describe Absolute Co-ordinate system with suitable example. 3. Attempt any THREE of the following: 12 Differentiate between Open Die Forging and Closed Die Forging. a) b) Explain with neat sketch i) Lancing ii) Blanking Explain the working of Progressive Die with neat sketch. c) d) Explain MIG Welding process with neat sketch. 4. Attempt any THREE of the following: 12 Explain with neat sketch, forging sequence for double ended open a) spanner. b) Differentiate between Soldering and Brazing. c) Write the detailed classification of Welding Process. d) Explain the process of Electroplating with neat sketch. Draw axes with proper notation for turning centre and CNC e) milling machine. Attempt any TWO of the following: 5. 12
 - a) Draw neat labelled sketch of standard Die set components. State functions of
 - i) Pilot
 - ii) Stripper
 - b) Explain with neat sketch
 - i) Lapping
 - ii) Buffing
 - c) State the meaning of insert specification given below, C N M G 12 04 08

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12

6. Attempt any <u>TWO</u> of the following:

a) Prepare the Part Program for the workpiece shown in Fig. No. 1

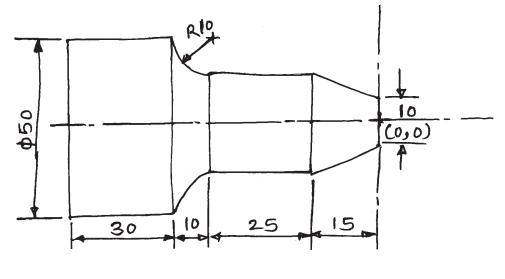
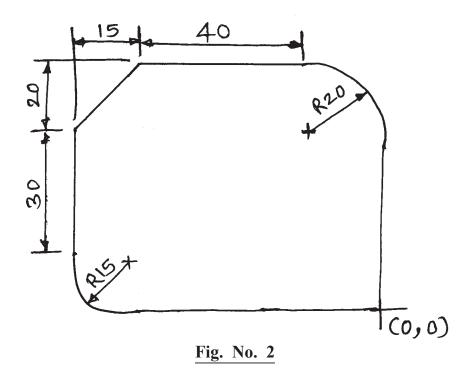


Fig. No. 1

b) Prepare the Part Program for the job shown in Fig. No. 2.



c) Prepare the Part Program for the workpiece shown in Fig. No. 3

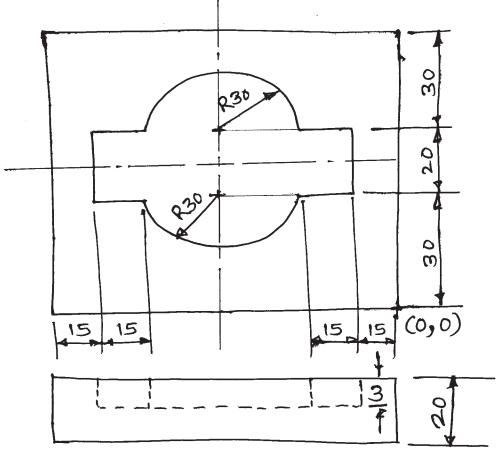


Fig. No. 3