

Time : Thre			Max. Marks :80				
Notes	: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	All questions carry marks as indicated. Solve Question 1 OR Questions No. 2. Solve Question 3 OR Questions No. 4. Solve Question 5 OR Questions No. 6. Solve Question 7 OR Questions No. 8. Solve Question 9 OR Questions No. 10. Solve Question 11 OR Questions No. 12. Due credit will be given to neatness and adequate dimensional Assume suitable data whenever necessary. Illustrate your answers whenever necessary with the help Use of non programmable calculator is permitted.					
1. a)	Explain	the instruction format of IBM 360.	5				
b)	Explain	Pass 1 of Assembler in detail with the help of flowchart an OR	ad databases. 8				
	machine TI BI	EST START BEGIN BALR 15,0 USING BEGIN +2, 15 SR 4,4 L 3, = F '10' COOP L 2, DATA (4) A 2, = F '49' ST 2, DATA (4) A 4, = F '4' BCT 3, *-16 BR 14 DATA DC F '1,2,3,4' END	53				
,		ntiate between: pen subroutine and closed subroutine. ii) Pure procedure	and Impure procedure.				
3. a)	What is the use of conditional macro calls?						
b)	Explain the necessity of stack for implementing macro call within macro definition. 5						
4.5	What databases are used by the two passes of macro processor? OR Explain in detail the two pass macro processor with the help of neat and clean flowchart. What macro facilities are restricted in this design?						
5. a)	Write sh	hort notes on: osolute loader. ii) Binders and Module	8 e Loader.				

16	b)	Explain in detail Dynamic Linking and Dynamic Loading. OR								
6.	a)	What are the basic function		3						
	b)	Show the entries in ESD, JOHN	START EXTERN ENTRY BALR USING SR	SUM, DATA LOOP, POINTER 15,0 *,15 4,4	ogram:	11				
		FOUR LOOP POINTER	L A ST BR DC DC DC DC DC DC DC	1, FOUR 2, FOUR 2, FOUR 14 F '4' A (SUM + 4) A (LOOP-DATA) A (POINTER-LOOP) A (POINTER)	058					
7.	a)	Explain in detail the format of common object file, in detail.								
	b)	Write short note on Source	e Code Control			5				
8.	a)	Explain make and Link Editor.								
	b)	Explain in detail storage of	classes.			4				
9.	c) a)	What is the structure of COFF symbol table? Explain. 4 Explain the steps in installation of Unix device drivers in detail.								
	b)	Design a device driver for handling a RAM disk. 5								
10.	a)	OR Explain the following entry point and routine for device driver of a line printer: i) init ii) Lpwork iii) Open 6								
	b)	Differentiate between Character Driver and STREAM Driver. 7								
11.	a)	What is compiler? Explain various phases of compiler. 8								
12.	b) a)	Write short note on Regular Expression. OR What is cross compiler? How does it use bootstrapping concept? 6								
1/5	b)	How tokens are recognize	ed by lexical pha	se? Explain in detail.	$(U/\Sigma)_{C}$	8				
К	NT/K	E/16/7297	****	2						