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Roll No.

300885(22)

APR-MAY

B. E. (Eighth Semester) Examination, 2020

(Old Scheme)

(AEI, Bio Tech., Chem., Civil, CSE, Elect., EEE, EI, ET&T, IT, Mech., Mining Metallurgy, Mechatronics Branch)

SOFTWARE TECHNOLOGY

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 28

Note: Attempt all questions. Part (a) from each question is compulsory and contains 2 marks.

Attempt any two parts from (b), (c) and (d) of each question.

Unit-I

1. (a) Define assembler directive.

2

(b) What do you mean by Memory model?

7

		[2]	
	(c)	Write in detail about assembler design process.	7
		Explain various kinds of addressing modes and also discuss 1 source link. Unit-II	7
2.		What is Library Linking?	2
۷.	(a)	What is Library Linking:	_
	` '	What do you mean by Loader? Discuss its types.	7
	(c)	What is the need of Linker? How many passes it	
		consist? Explain.	7
	(d)	Explain PIC (Process Independent Code).	7
		Unit-III	
3.	(a)	Define Microprocessor	2
	(h)	What do you mean by Macro? Explain nesting in	
	(0)	macro.	7
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	(c)	Explain macro processing technique.	7
	(d)	Explain design of 1-pass macro processor along	
	(-)	with its flowchart.	7

4.	(a)	What is Compiler?	2
	(b)	Explain Lexical analyzer. Also explain Lexeme in detail.	7
	(c)	Differentiate between intermediate and target code of compiler.	7
	(d)	What is Optimizing Transformation? Explain about code optimization of compiler.	7
		Unit-V	
5.	(a)	What do you mean by Text Editor?	2
	(b)	What is Debugger? Explain context of debugger.	7
	(c)	Write short note on: (i) Check pointer (ii) Reverse execution	7
	(d)	Explain design of text editor. Also discuss about data structure for text sequence.	7

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