

System Software and Compiler Design

6.1	into a ta	is a computerized ode written in a higher lever a server a lever properties of the control of th	ACT PIOS	Comment of the state of the sta
6.2	(a) A p	of a compiler can be rogram of target language her program in target guage or errors, if any	(c) (d)	Error Source program
6.3				
6.4	(a) Sem	n a typical compilation pr —. antic analysis ax analysis	(c)	Semantic editing Interpretation
5.5	informatio (a) File a (b) Mem	is a data structure records for each identified on about its fields and at allocation table ory allocation	n - 1	*,*
5.6		hase of any compiler is cherate source code enerate code in target lage	(c) (d)	To generate code in higher level langual To optimize code

6.7	Pre	e-processor does				
	(a)	File inclusion				
	(b)		(c) -(d)	Language extension All of these		
6.8		code is a mno				
0.0	(a)	Structured query language	sion of	a binary code.		
	(b)	Higher level programming	(c)	Semantic		
		language	_ (d)	Assembly		
6.9	_	is the scheme that det	ermina	:6		
	generated by given grammar or not.					
	(a)	Compiling	(c)	Edition -		
	_ (b)	Parsing	(d)	Editing		
			(4)	Linking		
6.10	In_	parsilly mecha	nism. th	ne construction /		
	trav	or parse tree starts with	root no	de of the tree and		
	Pro	real towards lear nodes.		as of the tree and		
	(a)		— (c)	Top down		
	(p)	Sequential	(d)	Hybrid		
6.11	A performs all its functions by reading the					
		rce file once.				
		Two -pass assembler	(c)	Interpreter		
	- (b)	One-pass assembler	(d)	Three-pass		
				assembler		
6.12		ch of the following is not a ph				
	(a)	Lexical analysis	(c)			
	(b)	Code generation	- (a)	Code editing		
6 12		is a program that pla	ces pro	grams to be executed		
6.13		is a program that pla	or eveci	ation		
		memory and prepares them for	-(c)	Loader		
	(a)	Parser	(d)	Interpreter		
	(b)	Memory allocator	(4)	interpreter		
5.14	0	-il can identify	type	of errors.		
4		piler can identify	(c)	Syntax		
		Null pointer exception	(d)	All type of errors		
	(b)	Run time	(4)	of be or orrors		

6.15 Instead of an addition operation	on, if a	program uses a			
multiplication operation and g.	Iving a	respected result; such			
error can be identified by		(c) Interpreter			
(a) Compiler		(d) Interactive			
- (b) Comparing output with		(d) Interactive editors			
expected output manually					
6.16 is a program that i	ntegra	ites separately compiled			
modules of a program for smoot	th exec	cution.			
(-) I dom	-	Cl linker			
(b) Parser	(d) Integrated compiler			
6.17 is an intermediate of	code ir	a compiler that can be			
implemented using quadruples of	n mpi	.Co.			
-(a) Three-address code	(0	Infix notation			
(b) Prefix notation	(d	Outfix notation			
6.18 A is a compiler capabl	e of cr	eating executable cod-			
result office than the one	on wh	nich the compiler is			
(a) Ad-					
(a) Advanced compiler	(c)	Multi compiler			
(b) Integrated compiler	-(d)	Cross compiler			
6.19 LRU is an algorithm and 1.6		CO-CONTENT OF THE PROPERTY OF			
6.19 LRU is an algorithm used for (a) Compaction	i	n operating systems			
- (b) Page replacement	(c)	Disk scheduling			
se replacement	(d)	CPU scheduling			
6.20 is an account					
is an assembler that assembles program for another cor (a) Cross assembler	runs	on one computer and			
(a) Cross assembler	npute	r.			
(b) Meta assembler	(c)				
	(d)	assembler			
6.21 makes 41					
dependent.	dependent. (a) Mnemonics one of the descendent machine				
(a) Mnemonics operation table (b) Macro definition to be	1-081	alli machine			
(b) Macro definition table	(0)	TOTAL CONTRACTOR			
table	(c)	Terminal table			
Forward Reference T	(d)	Symbol table			
(a) (a) is go	Forward Reference Table (FRT) is generally implemented as (a) Queue (b) Linked list				
(a) Queue	derally	implemented as			
- (b) Linked list					
	(c)	Stack			
	(d)	File			

6.23		ides in the main memory?	part of o	perating systems and			
	(a)	Linker					
	(b)	Assembler	- (c)				
			(d)	Compiler			
6.24	Cor	i alliu UI					
	(a)	Application systems	(c)	Software engineering			
	(b)	Operating systems	_ (d)				
6.05	1171			TA TA TA			
0.25	wn:	Which of the following is not system software?					
	(00)	windows windows	(0)	DOS			
	- (D)	Power Point presentation	(d)	Unix			
6.26	The	initial program, which a cor		Bhaal Sla			
	boo	ting (start up) is a / an	nputer s	hould start after it's			
	_ (a)	Operating system	(c)	 Compiler			
		Loader	(d)				
			(4)	Diffici			
6.27		is defined as str	eam of c	haracters to be treated			
	as s	as single unit.					
	(a)	Characters	(c)	Instruction			
	- (b)	Token	(d)	Data			
5.28	Iden	Identification of tokens can be done by a					
0.20	(a)	Deterministic		Both (a) and (b)			
	(4)	Finite-state automaton	(0)	Dotti (a) and (b)			
	(b)	Non Deterministic	(d)	DAG			
	(0)	Finite-state automaton	(4)	Dila			
.29	A res	gular expression is a					
	(a)	Set of production rules	(c)	Set of instructions			
	(b)	Set of white space		None of these			
	(5)	Det of winter space					
.30	Com	Compiling a newly written complier program (written in					
		language other than target language) is known as					
	(a)	Just compiling		De-compilation			
	- (b)	Bootstrapping	(d)	Cross Compilation			
	(-)	1.					

AN	SWERS:	- 0	Eithor man
6.1	Compiler	6.2	Either program in target language or errors, if any
		6.4	Dylitax allalysis
6.3	Interpreter	6.6	To generate code in targe
6.5	Symbol table		language
	All of these	6.8	Assembly
6.7	Parsing	6.10	Top down
6.9	- mblor	6.12	Code editing
6.11	Olic-pass assemble		
6.13	Loader	6.14	Syntax
6.15	Comparing output with	6.16	Linker
	expected output manually		
6.17	Three-address code	6.18	Cross compiler
6.19	8 - Procedure	6.20	Cross assembler
6.21	Mnemonics operation table	6.22	Linked list
6.23	Loader	6.24	System software
6.25	Down D.		
0.23	Power Point presentation	6.26	Operating system
6.27	Token		
	None of these	6.28	Both (a) and (b)
	or mese	6 20	

6.30 Bootstrapping