1	Using pumping lemma, which of the following cannot be proved as 'not a CFL'?								[d]
	A	$\{a^i b^i c^i \mid i>=0\}$	B	$\{ss \mid s \in \{a,b\}^*\}$	C	The set legal C programs	D	None	
2	Which of the following cannot be filled in the blank below? Statement: There are CFLs L1 nad L2 so that _____is not a CFL.								[c]
	A	L1∩L2	B	L1′	C	L1*	D	None	
3	Which of the following does not obey pumping lemma for context free languages?								[c]
	A	Finite languages	B	Context free languages	C	Unrestricted languages	D	None	
4	The transition a Push down automaton makes is additionally dependent upon the:								[a]
	A	stack	B	input tape	C	terminals	D	none	
5	***In definition of TM T=(Q,Σ, ┌,q0,δ) what ┌ represents?***								[a]
	A	Tape alphabets	B	Input symbols	C	Transition function	D	Initial state	
6	***Turing Machine can update symbols on its tape, whereas the FA cannot update symbols on tape.***								[a]
	A	True	B	False	C	Can't say	D	May be	
7	Which of the following is a simulator for non deterministic automata?								[a]
	A	JFLAP	B	Gedit	C	FAUTO	D	None	
8	***Which of the following is an extension to the basic model of Turing machine***								[d]
	A	Multi tape Turing machine	B	Multi head Turing machine	C	Nondeterministic Turing machine	D	All of the above	
9	The machine accept the string by entering into hA or it can:								[c]
	A	explicitly reject x by entering into hR	B	enter into an infinite loop	C	Both (a) and (b)	D	None	
10	Which of the following can accept even palindrome over {a,b}								[d]
	A	Push down Automata	B	Turing machine	C	NDFA	D	All of the mentioned	

11	The pumping lemma is often used to prove that a language is:								[b]
	A	Context free	B	Not context free	C	Regular	D	None	

12	***Turing machine can be represented using:***								[d]
	A	Transition table	B	Transition diagram	C	Instantaneous description	D	All of these	
13	Code generation can be considered as the								[d]
	A	first phase of compilation	B	second phase of compilation	C	third phase of compilation	D	final phase of compilation	
14	Which mapping is described by the implementation of the syntax-directed translator?								[d]
	A	Parse table	B	Input	C	Output	D	Input-Output	
15	State true or false: Statement: For every CFL, G, there exists a PDA M such that L(G) = L(M) and vice versa.								[a]
	A	true	B	false	C	-	D	-	
16	***Turing machine has how many states?***								[a]
	A	Finite	B	Infinite	C	May be finite	D	None	
17	Which of the functions can a turing machine not perform?								[d]
	A	Copying a string	B	Deleting a symbol	C	Accepting a pal	D	Inserting a symbol	
18	If T1 and T2 are two turing machines. The composite can be represented using the expression:								[a]
	A	T1T2	B	T1 U T2	C	T1 X T2	D	None	
19	Which of the problems are unsolvable?								[c]
	A	Halting problem	B	Boolean Satisfiability problem	C	Both (a) and (b)	D	None	
20	Which of the following a turing machine does not consist of?								[c]
	A	input tape	B	head	C	state register	D	none	

21	If T1 and T2 are two Turing machines. The composite can be represented using the expression:								[a]
	A	T1T2	B	T1 U T2	C	T1 X T2	D	None	
22	***Which of the problems are unsolvable?***								[c]
	A	Halting problem	B	Boolean Satisfiability problem	C	Both (a) and (b)	D	None	
23	Which of the following a turing machine does not consist of?								[c]
	A	input tape	B	head	C	state register	D	none	

24	_____ is a process of finding a parse tree for a string of tokens.								[a]
	A	Parsing	B	Analyzing	C	Recognizing	D	Tokenizing	
25	State true or false: Statement: For every CFL, G, there exists a PDA M such that L(G) = L(M) and vice versa.								[a]
	A	true	B	false	C	-	D	-	
26	***Turing machine has how many states?***								[a]
	A	Finite	B	Infinite	C	May be finite	D	None	
27	Which of the functions can a turing machine not perform?								[d]
	A	Copying a string	B	Deleting a symbol	C	Accepting a pal	D	Inserting a symbol	
28	The pumping lemma is often used to prove that a language is:								[b]
	A	Context free	B	Not context free	C	Regular	D	None	
29	Turing machine can be represented using:								[d]
	A	Transition table	B	Transition diagram	C	Instantaneous description	D	All of these	
30	A bottom-up parser generates								[c]
	A	Left-most derivation in reverse	B	Left-most derivation	C	Right-most derivation in reverse	D	Right –most derivation	

1.	***The language recognized by Turing machine is_Recursively enumerable language_____***
2.	***Turing machine is more powerful than:_finite state machines_____***
3.	***A PDA machine configuration (p, w, y) can be correctly represented as:__(****current state, unprocessed input, stack content)*****____***
4.	A language accepted by Deterministic Push down automata is closed under_____complement
5.	Finite-state acceptors for the nested words can be_nested word automata_____
6.	***Reverse Polish Notation _____***
7.	***Recursive languages are also known as__decidable_____***
8.	Decidable can be taken as a synonym to___recursive_____

9.	A problem is called ____tractable_____ if its has an efficient algorithm for itself.
10.	Quadruple is a record structure with four fields **__implements 3 address codes_____**
	A turing machine that is able to simulate other turing turing machines _
12	The value of n if turing machine machines universal is defined using n-tuples___7_____
13	If d is not defined on the current state and the current tape symbol, then the machine ___halts___
14	Instantaneous descriptions can be designed for a Turing machine. State true or false:_____true_____
15	Turing machine was invented by___alan **turing**_____
16	_____x+1_____is the pumping length of string of length x?
17	If the PDA does not stop on an accepting state and the stack is not empty, the string is:_ rejected_____
18	DAG is an abbreviation of directed acyclic graph_____
19	Most powerful parser _____canonical lr____ Parser
20	Recursive Decent Parsing is an example of ___top down parser_____
21	If the PDA does not stop on an accepting state and the stack is not empty, the string is:_____rejected____
22	The top-down parsing method is also called ____recursive decent_____
23	In which derivation the leftmost non-terminal symbol is replaced at each step?____leftmost derivation_____
24	In Algebraic expression simplification, a = a + 1 can simply be replaced by?____INC a
25	Turing machine was invented by_____a**lan turing**_
26	_____x+1_____is the pumping length of string of length x?
27	A turing machine that is able to simulate other turing machines_____universal turing machine_____
28	The value of n if turing machine is defined using n-tuples_____7_____
29	If d is not defined on the current state and the current tape symbol, then the machine _____rejected
30	Instantaneous descriptions can be designed for a Turing machine. State true or false:_____true_