Exam		
Name_		
MULT	FIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.	
	 What statement best describes a variable and its primary purpose? A) A variable is a structured, general-purpose language designed primarily for teaching programming. B) A variable is a named storage location in the computer's memory used for holding a piece of information. C) A variable is a "line" of code in the body of a program, which may change. D) A variable is a collection of eight bits. E) A variable is a word that has a special meaning to the compiler. Answer: B Diff: 0 Type: MC 	1)
	<pre>2) Which of the following is a preprocessor directive? A) cin >> rate; B) // This program calculates the user's pay. C) int main() D) pay = hours * rate; E) #include <iostream> Answer: E Diff: 0 Type: MC</iostream></pre>	2)
	3) The decodes an instruction and generates electrical signals. A) Arithmetic and Logic Unit B) BIOS C) Control Unit D) Main memory E) None of the above Answer: C Diff: 0 Type: MC	3)
TRUE	 /FALSE. Write 'T' if the statement is true and 'F' if the statement is false. 4) True/False: Software engineering is a field that encompasses designing, writing, testing, debugging, documenting, modifying, and maintaining computer programs. Answer: True False Diff: 0 Type: TF 	4)
	5) True/False: The preprocessor executes after the compiler. Answer: True False	5)

Diff: 0 Type: TF

Answer: O True

Diff: 0 Type: TF

6) True/False: In C++, key words are written in all lowercase letters.

False

7) are used to translate each source code instruction into the appropriate machine language	7)
instruction. A) Library routines B) Modules C) Compilers D) Preprocessor directives E) None of the above	
Answer: C Diff: 0 Type: MC	
 8) Three primary activities of a program are: A) Input, Processing, and Output B) Variables, Operators, and Key Words C) Lines, Statements, and Punctuation D) Integer, Floating-point and Character E) None of the above 	8)
Answer: A Diff: 0 Type: MC	
9) During which stage does the central processing unit retrieve from main memory the next instruction in the sequence of program instructions? A) execute B) portability stage C) decode D) fetch	9)
Answer: D Diff: 0 Type: MC	
 10) Even when there is no power to the computer, data can be held in: A) The Output Device B) The Algorithm C) The Input Device D) Secondary storage E) None of the above Answer: D Diff: 0 Type: MC 	10)
 11) In a broad sense, the two primary categories of programming languages are: A) Mainframe and PC B) Low-level and High-level C) Hardware and Software D) COBOL and BASIC E) None of the above Answer: B Diff: 0 Type: MC 	11)

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

	12) An Integrated Development Environment typically consists of:A) A debugger	12)	
	B) A text editor		
	C) A compiler		
	D) All of the above		
	E) None of the above		
	Answer: D		
	Diff: 0 Type: MC		
TRU	E/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.		
	13) True/False: Programs are commonly referred to as hardware.	13)	
	Answer: True 🔮 False		
	Diff: 0 Type: TF		
	14) True/False: Machine language is an example of a high-level language.	14)	
	Answer: True • False		
	Diff: 0 Type: TF		
	15) True/False: Pseudocode is a form of program statement that will always evaluate to "false."	15)	
	Answer: True • False	10)	
	Diff: 0 Type: TF		
MUL	TIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.		
	16) In the process of translating a source file into an executable file, which of the following is the correct	16)	
	sequence? A) Source code, preprocessor, modified source code, linker, object code, compiler, executable		
	code.		
	B) Source code, linker, object code, compiler, modified source code, preprocessor, executable		
	code.		
	C) Source code, preprocessor, modified source code, compiler, object code, linker, executable code.		
	D) Preprocessor, source code, compiler, executable code, linker, modified source code, object		
	code.		
	E) Source code, compiler, modified source code, preprocessor, object code, linker, executable		
	code.		
	Answer: C Diff: 0 Type: MC		
	17) Words that have a special meaning and may be used only for their intended purpose are known as:	17)	
	A) Key Words		
	B) Programmer Defined Words		
	C) Syntax D) Operators		
	E) None of the above		
	Answer: A		
	Diff: 0 Type: MC		

18) Which of the following best describes an operator?	18)	
A) An operator is a word that has a special meaning.		
B) An operator is a rule that must be followed when constructing a program.		
C) An operator allows you to perform operations on one or more pieces of data.		
D) An operator is a symbolic name that refers to a variable.		
E) An operator marks the beginning or ending of a statement, or is used to separate items in a		
list.		
Answer: C		
Diff: 0 Type: MC		
19) What does the term <i>hardware</i> refer to?	19)	
A) The way a computer's storage space is organized	1 <i>7)</i> —	
B) The logical flow of instructions		
C) The relative difficulty of programming		
D) The physical components that a computer is made of		
E) None of the above.		
Answer: D		
Diff: 0 Type: MC		
20) The management is a management of an oral state of a management is a larger than the state of a management	20)	
20) The programming process consists of several steps, which include:	20)	
A) Design, Creation, Testing, and Debugging		
B) Key Words, Operators, and Punctuation		
C) Syntax, Logic, and Error Handling		
D) Input, Processing, and Output		
E) None of the above		
Answer: A		
Diff: 0 Type: MC		
21) This is a complete instruction that causes the computer to perform some action.	21)	
A) Key Word		
B) Variable		
C) Statement		
D) Line		
E) None of the above		
Answer: C		
Diff: 0 Type: MC		
22) A(n) is a set of instructions that the computer follows to solve a problem.	22)	
A) Program	· 	
B) Compiler		
C) Linker		
D) Operator		
E) None of the above		
Answer: A		
Answer: A Diff: 0 Type: MC		
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23) This is a volatile type of memory, used for temporary storage.	23)
A) Disk drive	
B) Address	
C) RAM	
D) ALU	
E) None of the above	
Answer: C	
Diff: 0 Type: MC	
24) Computer programs are also known as:	24)
A) firmware	, <u> </u>
B) software	
C) silverware	
D) hardware	
E) None of the above	
Answer: B	
Diff: 0 Type: MC	
2 ·	
25) The name for a memory location that may hold data is:	25)
A) Syntax	
B) Operator	
C) Variable	
D) Key Word	
E) None of the above	
Answer: C	
Diff: 0 Type: MC	
Bill. V Type. We	
26) This is used in a program to mark the beginning or ending of a statement, or separate items in a list.	26)
A) Separators	
B) Operators	
C) Key Words	
D) Punctuation	
E) None of the above	
Answer: D	
Diff: 0 Type: MC	
Bill. 0 Type. We	
27) This is a set of rules that must be followed when constructing a program.	27)
A) Operators	
B) Key words	
C) Punctuation	
·	
D) Syntax	
E) Portability	
Answer: D	
Diff: 0 Type: MC	

28) Which of the following is a common input device?	28)	
A) Microphone	-	
B) Scanner		
C) Keyboard		
D) Mouse		
E) All of the above		
Answer: E		
Diff: 0 Type: MC		
20) A variable declaration appropries the name of a variable that will be used in a program, as well as	29)	
29) A variable declaration announces the name of a variable that will be used in a program, as well as:A) The area of the code in which it will be used	²⁷) -	
B) The type of data it will be used to hold		
C) The operators that will be used on it		
D) The number of times it will be used in the program		
E) None of the above		
Answer: B		
Diff: 0 Type: MC		
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.		
	•	
30) True/False: The term "bit" stands for binary digit.	30) _	
Answer: True False Diff: 0 Type: TF		
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.		
31) A(n) is a diagram that shows the logical flow of a program.	31)	
A) hierarchy chart	-	
B) flowchart		
C) UML diagram		
D) program schematic		
E) None of these		
Answer: B		
Diff: 0 Type: MC		
32) A(n) is the most fundamental set of programs on a computer.	32)	
A) application	32) -	
B) operating system		
C) utility program		
D) compiler		
E) None of these		
,		
Answer: B Diff: 0 Type: MC		
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33) The computer's main memory is commonly known as:	33)	
A) Secondary storage		
B) The floppy disk		
C) RAM D) The hard disk		
E) None of the above		
Answer: C		
Diff: 0 Type: MC		
Bill. 6 Type. Me		
34) The statements written by the programmer are called:	34)	
A) Runtime libraries	´ -	
B) Source code		
C) Syntax		
D) Object code		
E) None of the above		
Answer: B		
Diff: 0 Type: MC		
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.		
TRUE/FALSE. Write 1 II the statement is true and F II the statement is raise.		
35) True/False: The CPU is the most important component in a computer because without it, the	35)	
computer could not run software.		
Answer: True False		
Diff: 0 Type: TF		
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question	on	
VIOLTHELE OF IOTOL. Griddse the one afternative that best completes the statement of answers the question	OH.	
36) An example of a secondary storage device is:	36)	
A) The keyboard		
B) The monitor		
C) The computer's main memory		
D) The disk drive E) None of the above		
Answer: D Diff: 0 Type: MC		
Biii. 0 Type. MC		
37) At the heart of a computer is its central processing unit. The CPU's job is:	37)	
A) To fetch instructions	´ -	
B) To produce some outcome or resultant information		
C) To carry out the operations commanded by the instructions		
D) All of the above		
E) None of the above		
Answer: D		
Diff: 0 Type: MC		

38) Programmer-defined names of memory locations that may hold data are:	38)	
A) Variables		
B) Operators		
C) Operands D) Syntax		
E) None of the above		
Answer: A		
Diff: 0 Type: MC		
Sim o Type Me		
39) This step will uncover any syntax errors in your program.	39)	
A) Linking	,	
B) Executing		
C) Editing		
D) Compiling		
E) None of these		
Answer: D		
Diff: 0 Type: MC		
40) The programmer usually enters source code into a computer using:	40)	
A) Pseudocode		
B) A compiler		
C) A text editor D) A hierarchy chart		
E) None of the above		
Answer: C		
Diff: 0 Type: MC		
Diff. 0 Type: We		
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.		
41) True/False. A CDU really only understands instructions that are written in machine language	11\	
41) True/False: A CPU really only understands instructions that are written in machine language.	41)	
Answer: ☑ True False Diff: 0 Type: TF		
Diff. 0 Type. Tr		
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.		
42) Characters or symbols that perform operations on one or more operands are:	42)	
A) Program ops		
B) Op codes		
C) Operators D) Syntoy		
D) Syntax E) None of the above		
•		
Answer: C Diff: 0 Type: MC		
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43) Mistakes that cause a running program to produce incorrect results are called:	43)
A) Logic errors B) Linker errors	
C) Syntax errors	
D) Compiler errors	
E) None of the above	
Answer: A	
Diff: 0 Type: MC	
44) This term refers to the programmer reading the program from the beginning and stepping through	44)
each statement.	
A) Pseudocoding B) Software Engineering	
C) Spot Checking	
D) Desk Checking	
E) None of the above	
Answer: D	
Diff: 0 Type: MC	
45) A set of well-defined steps for performing a task or solving a problem is known as a(n):	45)
A) Encoded instruction	
B) Hierarchy C) Central Processing Unit	
D) Algorithm	
E) None of the above	
Answer: D	
Diff: 0 Type: MC	
46) Internally, the CPU consists of two parts:	46)
A) The Single-task Device and the Multi-task Device	
B) The Output Device and the Input Device	
C) The Software and the HardwareD) The Control Unit and the Arithmetic and Logic Unit	
E) None of the above	
Answer: D	
Diff: 0 Type: MC	
47) The purpose of a memory address is:	47)
A) To identify the location of a byte in memory	
B) To improve the effectiveness of high-level languages	
C) To obtain an algorithm	
D) To prevent multitasking E) None of the above	
·	
Answer: A Diff: 0 Type: MC	

48) Which of the following is not one of the five major co	imponents of a computer system?	48)
A) The CPU (central processing unit)B) Preprocessor		
C) Input/Output device		
D) Secondary storage device		
E) Main memory		
Answer: B		
Diff: 0 Type: MC		
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the s	tatement is false.	
49) True/False: In programming, the terms "line" and "st	atement" always mean the same thing.	49)
Answer: True • False		
Diff: 0 Type: TF		
MULTIPLE CHOICE. Choose the one alternative that best co	mpletes the statement or answers the question.	
50) During which stage does the central processing unit	analyze the instruction and encode it in the	50)
form of a number, and then generate an electronic sign	_	
A) execute	B) fetch	
C) portability stage	D) decode	
Answer: D	,	
Diff: 0 Type: MC		

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