Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021

Course Name - - Principle of Programming Language Course Code - BCAC201

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Answer all the questions. Each question carry one mark.

9. 1. ASCII and EBCDIC are popular character coding systems. What does EBCDIC stand for?

- Extended Binary Coded Decimal Interchange Code
- Extended Bit Code Decimal Interchange Code
- Extended Bit Case Decimal Interchange Code
- Extended Binary Case Decimal Interchange Code

10. 2. The two kinds of main memory are:

Mark only one oval.

- Primary and secondary
- Random and sequential
- ROM and RAM
- All of these
- 11. 3. CD-ROM is a-

Mark only one oval.

- Semiconductor memory
- Memory register
- Magnetic memory
- none of these
- 12. 4. Which of the following has the highest speed?

Mark only one oval.

- Main memory
- Input/output devices
- All have same speed

13. 5. Which of the following is not an input/output device?

Mark only one oval.

Printer
 Readers
 Displays
 Magnetic tapes

14. 6. Which is the main part of the Central Processing Unit (CPU)?

Mark only one oval.

\bigcirc	ALU
\bigcirc	CU
\bigcirc	Memory unit

- Input/Output unit
- 15. 7. Which of the following is/are optical disk(s)? i. CD-ROM ii. DVD-ROM iii. Hard disk_____.

Mark only one oval.

— i & ii

- ii & iii
- i & iii
- All of these

16. 8. Which of the following retains the information it's storing when the power to the system is turned off?

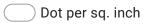
Mark only one oval.

- CPU RAM ROM
 - DIMM
- 17. 9. All the following are computer input devices except for

Mark only one oval.



18. 10. The output quality of a printer is measured by



- Dot per inch
- Dots printed per unit time
- All of these

19. 11. Why are variable names beginning with the underscore not encouraged?

Mark only one oval.

📃 lt is not standardized

- To avoid conflicts since assemblers and loaders use such names
- To avoid conflicts since library routines use such names
- To avoid conflicts with environment variables of an operating system
- 20. 12. What is the size of an int data type?

Mark only one oval.

- What is the size of an int data type?
- 8 Bytes
- Depends on the system/compiler
- Cannot be determined
- 21. 13. What is short int in C programming?

- The basic data type of C
- Qualifier
- Short is the qualifier and int is the basic data type
- All of the mentioned

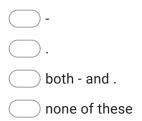
22. 14. Which of the following declarations is illegal?

Mark only one oval.

- Char *str = "Best C programming classes by BWU";
- char str[] = "Best C programming classes by BWU";
- char str[20] = "Best C programming classes by BWU";
- Char[] str = "Best C programming classes by BWU";
- 23. 15. The continue statement cannot be used with -

Mark only one oval.

- for while do-while
- 24. 16. Which operator connects the structure name to its member name?



25. 17. Size of a union is determined by size of the.

Mark only one oval.

- First member in the union
- Last member in the union
- Biggest member in the union
- Sum of the sizes of all members
- 26. 18. Which of the following data types are accepted while declaring bit-fields?

Mark only one oval.

- 🔵 char
- _____ float
- ____ double
- None of the mentioned
- 27. 19. What is the size of a C structure.?

- C structure is always 128 bytes.
- Size of C structure is the total bytes of all elements of structure.
- Size of C structure is the size of largest element.
- None of these

28. 20. Choose a correct statement about C structures.

Mark only one oval.

- Structure elements can be initialized at the time of declaration
- Structure members cannot be initialized at the time of declaration
- Only integer members of structure can be initialized at the time of declaration

None of these

29. 21. Software in computer

Mark only one oval.

Enhances the capabilities of the hardware machine

Increase the speed of central processing unit

both enhances the capabilities of the hardware machine & Increase the speed of central processing unit

none of these

30. 22. Which among the following is a special operator?



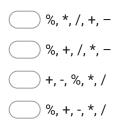
31. 23. Which of the following represents the bitwise XOR operator?

Mark only one oval.

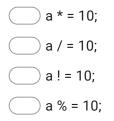


32. 24. What is the precedence of arithmetic operators (from highest to lowest)?

Mark only one oval.

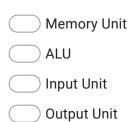


33. 25. Which of the following is not an arithmetic operation?



34. 26. Which unit is responsible for converting the data received from the user into computer understandable format?

Mark only one oval.



35. 27. The smallest unit of data in computer is _____

Mark only one oval.

_		_
)	Bvte
_		Dyte

🔵 Nibble

Bit

🔵 КВ

36. 28. VDU stands for _____

Mark only one oval.

Virtual Display Unit

🕖 Visual Display Unit

Virtual Detection Uni

Visual Detection Unit

37. 29. A non - erasable disk that stores digitized audio information is _____

Mark only one oval.



38. 30. The value of base in a decimal number system is _____

Mark only one oval.

- 8 2 10 16
- 39. 31. GThe digital computer accepts ____ data as input.

Mark only one oval.

Binary Count

Numeric

Text

40. 32. Which of the following has low speed storage?

Mark only one oval.

CD-ROM

- Extended storage
- Magnetic disks
- Magnetic tapes
- 41. 33. Which of the following is an output device?

Mark only one oval.

- Mouse
- JUJSUCK
- Plotter
- 🔵 Optical mark reader
- 42. 34. The addition, subtraction, multiplication and division are performed at-

Mark only one oval.

ALU
 CU

- Memory unit
- Input/Output unit

43. 35. A sequence of instructions given to a computer to perform a particular task is called-

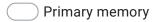
Mark only one oval.

- Program
- Operating system
- 44. 36. Which of the following is true about RAM (Random Access Memory)?

Mark only one oval.

- It is used as read/write memory
- It is non-volatile memory
- It is possible to retrieve information randomly
- lt retains information as long as power supply is on

45. 37. Hard disk is used as-



- Cache memory
- Secondary memory
- All of these

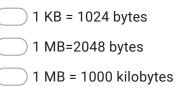
46. 38. Which of the following is/are optical disk(s)? i. CD-ROM ii. DVD-ROM iii. Hard disk

Mark only one oval.



47. 39. Which of the following statements is correct?

Mark only one oval.



- 48. 40. The information stored in _____ is erased when the computer is turned off-

- BIOS
- CPU

49. 41. A character has how many bits:

Mark only one oval.



50. 42. High density double sided floppy disks could store _____ of data

Mark only one oval.

- _____ 1.40 MB
- 1.44 GB
- _____ 1.40 GB
- _____ 1.44 MB
- 51. 43.C99 standard guarantees uniqueness of _____ characters for internal names.



- 63
- 14
- 36

52. 44. All keywords in C are in _____

Mark only one oval.

LowerCase letters

- UpperCase letters
- CamelCase letters
- None of these
- 53. 45.Which of the following is a User-defined data type?

Mark only one oval.

- 🔵 typedef int Boolean;
- typedef enum {Mon, Tue, Wed, Thu, Fri} Workdays;
- All of these
- 54. 46. Which loop is faster in C Language, for, while or Do While.?

Mark only one oval.

_____ for

while

- ____ do while
- All work at same speed

55. 47. How many times i value is checked in the below code? int main() { int i = 0; while (i < 3) i++; printf("In while loop\n"); }</p>

Mark only one oval.



56. 48. What is the output of this C code? void main() { int i = 2; do { printf("Hi"); } while (i < 2) }

Mark only one oval.

Com	pile time error
Hi	
— Hi Hi	
🔵 Varie	es

57. 49. What is the output of this C code? void main() { int i = 0; do { printf("Hello"); } while (i != 0); }

Mark only one oval.

— H is printed infinite times

Nothing

Hello

Run time error

58. 50. Example of iteration in C.

Mark only one oval.

for
 for
 while
 do while

- All of these
- 59. 51. Number of times while loop condition is tested is, i is initialized to 0 in both case. while (i < n) i++; ------ do i++; while (i <= n);

Mark only one oval.

n,n n,n+1 n+1,n n+1,n+1

60. 52. What is the output of this C code? int main() { int i = 0; while (i = 0) printf("True.\n"); printf("False.\n"); }

Mark only one oval.

- True. (infinite time)
- True. (1 time) False.

🔵 False.

Compiler dependent

61. 53. Which loop is most suitable to first perform the operation and then test the condition?

Mark only one oval.

\square) for
\square	while
\square	do while
\square	All of these

62. 54. What will be the output of the following program ? #include void main() { char cnt=0; for(;cnt++;printf("%d",cnt)) ; printf("%d",cnt); }

Mark only one oval.

\bigcirc	1
\bigcirc	0
\bigcirc	run time error
\bigcirc	compile time erro

63. 55.The symbol that represents comments in a flowchart is

Mark only one oval.

- A procedure symbol
- An annotation symbol

A flow line

A subroutine

64. 56.Which symbol on a flowchart is used to represent the connect between the portions of a flowchart on separate pages?

Mark only one oval.

- Off Page Connector
- On Page Connector
- Annotation
- Flow Line
- 65. 57. _____ represent algorithms that involve complex decision-making.

Mark only one oval.

\bigcirc	Flowcharts
\bigcirc	Decision Tables
\bigcirc	Programs
\bigcirc	Pseudocode

66. 58. The accept keyword in a pseudocode is similar to the ______ symbol in a flowchart.

- Output
- 🔵 Input
- Subroutine
- Decision

67. 59. How would you declare a variable to store the gender of a person?

Mark only one oval.

Character n Gender

- Character cGender
- Numeric nGender
- 68. 60. Assuming int is of 4bytes, what is the size of int arr[15];?

Mark only one oval.

- 15
 19
 11
 60
- 69. 61. In general, the index of the first element in an array is _____



- 2
- (_____1

70. 62. Elements in an array are accessed _____

Mark only one oval.

_____ randomly

- sequentially
- exponentially
- logarithmically
- 71. 63. What is the maximum number of dimensions an array in C may have

Mark only one oval.

- Two
- eight
- 🔵 sixteen
- Theoretically no limit. The only practical limits are memory size and compilers
- 72. 64. A one dimensional array A has indices 1....75. Each element is a string and takes up three memory words. The array is stored at location 1120 decimal. The starting address of A[49] is

- 12641164
- 1167
- 126

73. 65. What will be the address of the arr[2][3] if arr is a 2-D long array of 4 rows and 5 columns and the starting address of the array is 2000?

Mark only one oval.

204820562052

- 2042
- 74. 66. Array can be considered as a set of elements stored in consecutive memory locations but having ______.

Mark only one oval.

\bigcirc	Same data type
\bigcirc	Different data type
\bigcirc	Same scope
\bigcirc	None of these

75. 67. Size of the array need not be specified, when

- Initialization is a part of definition
- It is a formal parameter
- 🔵 It is a declaration
- All of these

76. 68. The information about an array used in program will be stored in

Mark only one oval.

Symbol Table
 Activation Record
 Dope Vector

- None of these
- 77. 69. The parameter passing mechanism for an array is

Mark only one oval.

- 🔵 call by value
- 🔵 call by reference
- call by value-result
- None of these
- 78. 70. A string that is a formal parameter can be declared

Mark only one oval.

- An array with empty braces
- A pointer to character
- Both A and B
- None of these

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