

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

Course Name - --Principle of Programming Language

Course Code - BCA201

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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?

Mark only one oval.

- 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.

- CPU
- 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.

- ALU
- CU
- 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.

- Keyboard
- Printer
- Mouse
- JoyStick

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

Mark only one oval.

- Dot per sq. inch
- 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.

- It 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.

- 4 Bytes
- 8 Bytes
- Depends on the system/compiler
- Cannot be determined

21. 13. What is short int in C programming?

Mark only one oval.

- 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
- switch

24. 16. Which operator connects the structure name to its member name?

Mark only one oval.

-
- .
- both - and .
- none of these

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.?

Mark only one oval.

- 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.
- Option 4

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?

Mark only one oval.

- <<
- ++
- ? :
- sizeof()

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?

Mark only one oval.

a * = 10;

a / = 10;

a != 10;

a % = 10;

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

Mark only one oval.

- Memory Unit
- ALU
- Input Unit
- Output Unit

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

Mark only one oval.

- Byte
- Nibble
- Bit
- KB

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.

- CD
- CD- ROM
- DVD-R
- DVD-RW

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

Mark only one oval.

- 8
- 2
- 10
- 16

39. 31. The 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
- Joystick
- 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.

- ROM
- RAM
- 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
- It retains information as long as power supply is on

45. 37. Hard disk is used as-

Mark only one oval.

- Primary memory
- 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.

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

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

Mark only one oval.

- 1 KB = 1024 bytes
- 1 MB=2048 bytes
- 1 MB = 1000 kilobytes
- 1 KB = 1000 bytes

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

Mark only one oval.

- ROM
- RAM
- BIOS
- CPU

49. 41. A character has how many bits:

Mark only one oval.

4

8

12

16

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.

Mark only one oval.

31

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;
- struct {char name[10], int age};
- 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"); }`

Mark only one oval.

- 4
- 3
- 2
- 1

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.

- Compile time error
- Hi
- Hi Hi
- Varies

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
- 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.

- for
- while
- do while
- 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.

- 1
- 0
- run time error
- compile time error

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.

- Flowcharts
- Decision Tables
- Programs
- Pseudocode

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

Mark only one oval.

- 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
- String sGender
- 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 _____

Mark only one oval.

- 0
- 1
- 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

Mark only one oval.

- 1264
- 1164
- 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.

- 2048
- 2056
- 2052
- 2042

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

Mark only one oval.

- Same data type
- Different data type
- Same scope
- None of these

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

Mark only one oval.

- 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 1

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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