



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 11****Subject : COMPUTER
SCIENCE****Term : 2nd Term****Max Marks : 80****Q 1 :** Which of the following is not a valid C variable name?**Marks : 1**

1. int number
2. float rate
3. int variable_count
4. int \$main

 (This Answer is Correct)**Q 2 :** Keyword _____ is used for declaring character type variables.**Marks : 1**

1. int
2. char
3. double
4. All of these

 (This Answer is Correct)**Q 3 :** We can use _____ for declaring an integer variable.**Marks : 1**

1. int
2. char
3. double
4. All of these

 (This Answer is Correct)**Q 4 :** What is the size of an int data type?**Marks : 1**

1. 4 Bytes
2. 8 Bytes
3. Depends on the system/compiler
4. Cannot be determined

 (This Answer is Correct)**Q 5 :** The format identifier '%c' is also used for _____ data type.**Marks : 1**

1. char
2. int
3. float
4. double

 (This Answer is Correct)

Q 6 : Which function is used to show output on the console?

Marks : 1

1. main()
2. printf()
3. scanf()
4. all of these

(This Answer is Correct)

Q 7 : Which of the following is not a proper declaration?

Marks : 1

1. char a
2. float f
3. int int
4. double a

(This Answer is Correct)

Q 8 : Which notation is used to include a header file in a C program?

Marks : 1

1. include{stdio.h}
2. #include#stdio.h
3. #include
4. None of these

(This Answer is Correct)

Q 9 : To print a float value which format specifier can be used?

Marks : 1

1. %d
2. %i
3. %f
4. %c

(This Answer is Correct)

Q 10 : Which function is used to take input from the user?

Marks : 1

1. main()
2. printf()
3. scanf()
4. all of these

(This Answer is Correct)

Q 11 : The last digit of octal number system is:

Marks : 1

1. 0
2. 7
3. 9
4. F

(This Answer is Correct)

Q 12 : B represents _____ in hexadecimal:

Marks : 1

1. 10
2. 11
3. 12
4. 13

(This Answer is Correct)

Q 13 : 14 is represented by this alphabet in hexadecimal:

Marks : 1

1. B
2. C
3. D
4. E

(This Answer is Correct)

Q 14 : What does EBCDIC stand for?

Marks : 1

1. Extended Binary Converted Decimal Intermediate Code
2. Extended Binary Coded Decimal Intermediate Code
3. Extended Binary Coded Decimal Interchange Code
4. Extended Binary Converted Decimal Interchange Code

(This Answer is Correct)

Q 15 : Which of the following is not a type of computer code?

Marks : 1

1. EBCDIC
2. BCD
3. ASCII
4. EDIC

(This Answer is Correct)

Q 16 : _____ is a single representation for all the Indian Scripts.

Marks : 1

1. EBCDIC
2. BCD
3. ASCII
4. ISCII

(This Answer is Correct)

Q 17 : What does ISCII stand for?

Marks : 1

1. Indian Script Code for Information Interchange
2. Indian Scientific Code for Information Interchange
3. Indian Scientific Code for Interchanging Information
4. Indian Standard Code for Interchanging Information

(This Answer is Correct)

Q 18 : Which of the following is capable of recognizing a pre-specified type of mark by pencil or pen? **Marks : 1**

1 . OMR (This Answer is Correct)

2 . Winchester

3 . Bar code reader

4 . Image Scanner

Q 19 : _____ is a computer input device that enables a user to hand-draw images, animations and graphics, with a special pen-like stylus. **Marks : 1**

1 . OMR

2 . OCR

3 . graphic tablet (This Answer is Correct)

4 . touch screen

Q 20 : Dividing tasks so that the Operating System appears to multitask is dealt with under: **Marks : 1**

1 . Processor Management (This Answer is Correct)

2 . File Management

3 . Peripheral Management

4 . Memory Management

Q 21 : Operating Systems will allocate sections of RAM to the processes as part of: **Marks : 1**

1 . Processor Management

2 . File Management

3 . Peripheral Management

4 . Memory Management (This Answer is Correct)

Q 22 : _____ translates entire source code in one go. **Marks : 1**

1 . Assembler

2 . Compiler (This Answer is Correct)

3 . Interpreter

4 . Debugger

Q 23 : Simplification of : $YZ(XY'Z+X'Y'Z+X'YZ)$ yields the following result: **Marks : 1**

1 . XYZ

2 . XY'Z

3 . XYZ'

(This Answer is Correct)**4 .** X'YZ

Q 24 : Simplification of : $C + ABC$ yields the following result:**Marks :** 1

- 1 . A
- 2 . B
- 3 . C**
- 4 . 1

 (This Answer is Correct)

Q 25 : Simplification of : $AC + ABC$ yields the following result:**Marks :** 1

- 1 . A
- 2 . AC**
- 3 . ABC
- 4 . AB

 (This Answer is Correct)

Q 26 : Which among the following is given by Distributive law?**Marks :** 1

- 1 . $X + 1 = 1$
- 2 . $X + Y = Y + X$
- 3 . $X'' = X$
- 4 . $(X + Y)(X + Z) = X + Y.Z$**

 (This Answer is Correct)

Q 27 : If a 3-input NOR gate has eight input possibilities, how many of those possibilities will result in a HIGH output?**Marks :** 1

- 1 . 1**
- 2 . 6
- 3 . 7
- 4 . 8

 (This Answer is Correct)

Q 28 : Which of the following is an incorrect SOP expression?**Marks :** 1

- 1 . $x+x.y$
- 2 . $(x+y)(x+z)$**
- 3 . x
- 4 . $x+y$

 (This Answer is Correct)

Q 29 : Von Neumann architecture is based on:**Marks :** 1

- 1 . Stored program**

 (This Answer is Correct)

- 2 . Fixed program
 - 3 . Both (a) and (b)
 - 4 . None of these
-

Q 30 : The load instruction is mostly used to designate a transfer from memory to a processor register known as____. **Marks :** 1

- 1 . Address Register
- 2 . Program Counter
- 3 . Index Register
- 4 . Accumulator**

(This Answer is Correct)

Q 31 : Which of these transfers data between components inside a computer? **Marks :** 1

- 1 . RAM
- 2 . ROM
- 3 . DRAM
- 4 . Buses**

(This Answer is Correct)

Q 32 : Swap space exists in _____ **Marks :** 1

- 1 . primary memory
- 2 . secondary memory**
- 3 . cpu
- 4 . none of the mentioned

(This Answer is Correct)

Q 33 : Which operator computes the remainder? **Marks :** 1

- 1 . +
- 2 . -
- 3 . %**
- 4 . ?

(This Answer is Correct)

Q 34 : All keywords in C are in _____ **Marks :** 1

- 1 . LowerCase letters**
 - 2 . UpperCase letters
 - 3 . CamelCase letters
 - 4 . None of the mentioned
-

(This Answer is Correct)

Q 35 : Who is father of C language?

Marks : 1

- 1 . Bjarne Stroustrup
- 2 . James A. Gosling
- 3 . Dennis Ritchie**
- 4 . Dr. E. F Codd

(This Answer is Correct)

Q 36 : Which keyword is used to prevent any changes in the variable within a C program?

Marks : 1

- 1 . immutable
- 2 . mutable
- 3 . const**
- 4 . volatile

(This Answer is Correct)

Q 37 : What is the size of "float"?

Marks : 1

- 1 . 2
- 2 . 4
- 3 . 8
- 4 . Compiler dependent**

(This Answer is Correct)

Q 38 : Which of the following cannot be a variable name in C?

Marks : 1

- 1 . volatile**
- 2 . TRUE
- 3 . friend
- 4 . export

(This Answer is Correct)

Q 39 : The format identifier '%d' is also used for _____ data type.

Marks : 1

- 1 . char
- 2 . int**
- 3 . float
- 4 . double

(This Answer is Correct)

Q 40 : In this number system, various different symbols are used to represent the numbers:

Marks : 1

- 1 . positional
- 2 . non-positional**
- 3 . octal
- 4 . None of these

(This Answer is Correct)

Q 41 : This indicates the number of different digits that are present in the number system:

Marks : 1

- 1 . base
- 2 . radix
- 3 . both (a) & (b)**
- 4 . None of these

(This Answer is Correct)

Q 42 : The number of digits in binary number system is:

Marks : 1

- 1 . 2**
- 2 . 10
- 3 . 8
- 4 . 16

(This Answer is Correct)

Q 43 : The number of digits in octal number system is:

Marks : 1

- 1 . 2
- 2 . 10
- 3 . 8**
- 4 . 16

(This Answer is Correct)

Q 44 : The number of digits in decimal number system is:

Marks : 1

- 1 . 2
- 2 . 10**
- 3 . 8
- 4 . 16

(This Answer is Correct)

Q 45 : The number of characters that can be represented in ASCII-7 are _____.

Marks : 1

- 1 . 128**
- 2 . 256
- 3 . 32
- 4 . 64

(This Answer is Correct)

Q 46 : What does ASCII stand for?

Marks : 1

- 1 . American Standard Code for Information Interchange**
- 2 . American Scientific Code for Information Interchange
- 3 . American Scientific Code for Interchanging Information
- 4 . American Standard Code for Interchanging Information

(This Answer is Correct)

Q 47 : In binary coding, every symbol that appears in data is represented by a group of bits, which are called _____ . **Marks :** 1

- 1 . bytes
- 2 . memory
- 3 . nibble
- 4 . code

(This Answer is Correct)

Q 48 : _____ is a set of programs and related data that are used to give instructions to the hardware. **Marks :** 1

- 1 . Software
- 2 . Programming Language
- 3 . Hardware
- 4 . User

(This Answer is Correct)

Q 49 : Operating Systems need to manage system _____. **Marks :** 1

- 1 . Objectives
- 2 . Resources
- 3 . Electricity
- 4 . Restores

(This Answer is Correct)

Q 50 : Which among the following is used to translate assembly code? **Marks :** 1

- 1 . Assembler
- 2 . Compiler
- 3 . Interpreter
- 4 . Debugger

(This Answer is Correct)

Q 51 : The execution of compiler compared to interpreter is _____. **Marks :** 1

- 1 . Faster
- 2 . Slower
- 3 . Remains the same
- 4 . None of these

(This Answer is Correct)

Q 52 : Simplification of : $AB + AB' + A'C + A'C'$ yields the following result: **Marks :** 1

- 1 . 1
- 2 . 0
- 3 . A
- 4 . B

(This Answer is Correct)

Q 53 : Simplification of : $XYZ + X'Y + XYZ'$ yields the following result:

Marks : 1

1. X
2. Y
3. Z
4. 1

(This Answer is Correct)

Q 54 : A _____ gate gives the output as 1 only if all the inputs signals are 1.

Marks : 1

1. AND
2. OR
3. XOR
4. XNOR

(This Answer is Correct)

Q 55 : Which of the following gate will give a 0 when both of its inputs are 1?

Marks : 1

1. AND
2. OR
3. NAND
4. XNOR

(This Answer is Correct)

Q 56 : How many AND gates are required to realize $Y = CD + EF + G$?

Marks : 1

1. 4
2. 5
3. 3
4. 2

(This Answer is Correct)

Q 57 : The boolean expression of an OR gate is _____

Marks : 1

1. A.B
2. A'B+AB'
3. A+B
4. A'B'

(This Answer is Correct)

Q 58 : The terms in SOP are called _____

Marks : 1

1. max terms
2. min terms
3. mid terms
4. sum terms

(This Answer is Correct)

Q 59 : Who invented the punch card?

Marks : 1

1. Charles Babbage
2. Semen Korsakov
- 3. Herman Hollerith**
4. Joseph Marie Jacquard

(This Answer is Correct)

Q 60 : The section of CPU that selects interprets and sees to the execution of program instructions:

Marks : 1

1. CPU
2. Logical unit
- 3. Control unit**
4. Input unit

(This Answer is Correct)

Q 61 : What was the name of first computer designed by Charles Babbage?

Marks : 1

- 1. Analytical Engine**
2. EDVAC
3. Colossus
4. ENIAC

(This Answer is Correct)

Q 62 : Spooling is _____ efficient than buffering.

Marks : 1

- 1. More**
2. Less
3. Same
4. Cannot be determined

(This Answer is Correct)

Q 63 : Separation of user logical memory and physical memory is _____

Marks : 1

1. Memory control
2. Memory management
3. Memory sharing
- 4. Virtual memory**

(This Answer is Correct)

Q 64 : Which generation of computers used vacuum tubes as circuitry?

Marks : 1

- 1. First**
2. Second
3. Third
4. Fourth

(This Answer is Correct)

Q 65 : Predefined, reserved words used in programming that have special meanings to the compiler. **Marks : 1**

1. Data type
2. Keyword (This Answer is Correct)
3. Constant
4. Variable

Q 66 : Which header file is required for i/o functions in C? **Marks : 1**

1. math.h
2. stdio.h (This Answer is Correct)
3. iostream.h
4. string.h

Q 67 : Which of the following statement is false? **Marks : 1**

1. Constant variables need not be defined as they are declared and can be defined later (This Answer is Correct)
2. Global constant variables are initialized to zero
3. const keyword is used to define constant values
4. You cannot reassign a value to a constant variable

Q 68 : A number system having base 'n' has the numbers ranging from 0 to _____: **Marks : 1**

1. n
2. n+1
3. n - 2
4. n - 1 (This Answer is Correct)

Q 69 : The weights used in Binary coded decimal code are: **Marks : 1**

1. 4,2,1
2. 8,4,2,1 (This Answer is Correct)
3. 6,4,2,1
4. 2,1

Q 70 : BCD code is also known as : **Marks : 1**

1. EBCDIC
2. 8421 code (This Answer is Correct)
3. ASCII
4. None of these

Q 71 : Write the decimal equivalent for (110001)BCD.

Marks : 1

- 1 . 31
- 2 . 13
- 3 . C1
- 4 . 1C

(This Answer is Correct)

Q 72 : Write the decimal equivalent for (1001001)BCD.

Marks : 1

- 1 . 23
- 2 . 90
- 3 . 49
- 4 . 91

(This Answer is Correct)

Q 73 : The ASCII codes for the characters 'A' to 'Z' lies in the range:

Marks : 1

- 1 . 20 to 45
- 2 . 65 to 90
- 3 . 30 to 55
- 4 . 60 to 85

(This Answer is Correct)

Q 74 : Which of the following is not an example of system software?

Marks : 1

- 1 . Language Translator
- 2 . Utility Software
- 3 . Communication Software
- 4 . Word Processors

(This Answer is Correct)

Q 75 : Example of Interpreter:

Marks : 1

- 1 . Python
- 2 . Javascript
- 3 . Ruby
- 4 . All of these

(This Answer is Correct)

Q 76 : _____ uses mnemonics to create instructions for computer.

Marks : 1

- 1 . High-level language
- 2 . Binary language
- 3 . Assembly language
- 4 . All of these

(This Answer is Correct)

Q 77 : Which among the following is given by Associative law?

Marks : 1

1. $X + 1 = 1$

2. $X + (Y + Z) = (X + Y) + Z$

(This Answer is Correct)

3. $X'' = X$

4. None of these

Q 78 : How many two input AND gates and two input OR gates are required to realize $Y = BD + CE + AB$?

Marks : 1

1. 3, 2

(This Answer is Correct)

2. 4, 2

3. 1, 1

4. 2, 3

Q 79 : How many two-input AND and OR gates are required to realize $Y = CD+EF+G$?

Marks : 1

1. 2, 2

(This Answer is Correct)

2. 2, 3

3. 3, 3

4. 3, 2

Q 80 : _____ uses limited area in main memory.

Marks : 1

1. Spooling

2. Buffering

(This Answer is Correct)

3. Both (a) and (b)

4. None of these
