ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

Class : 11	Subject : COMPUTER APPLICATION	Term : 2nd Term	Max Marks : 80

Q 1 :   The decimal equivalent of the octal number (645)8 is _____   **Marks :**   1

1 . 450

2 . 451

3 . 421   ✅ (This Answer is Correct)

4 . 501

Q 2 :   2s complement of 1000011 is _____.   **Marks :**   1

1 . 111101`   ✅ (This Answer is Correct)

2 . 1001011

3 . 111100

4 . 1011011

Q 3 :   Perform binary addition of 1101 + 0010   **Marks :**   1

1 . 1110

2 . 1111   ✅ (This Answer is Correct)

3 . 111

4 . 11101

Q 4 :   Convert (22)8 into its corresponding decimal number.   **Marks :**   1

1 . 28

2 . 18   ✅ (This Answer is Correct)

3 . 81

4 . 82

Q 5 :   Perform octal addition of 7 and 2   **Marks :**   1

1 . 11   ✅ (This Answer is Correct)

2 . 10

3 . 9

4 . 8

Q 6 :   Convert the binary equivalent 10001 to its decimal equivalent.   **Marks :**   1

    1 .   16

    2 .   15

    3 .   17   ☑ (This Answer is Correct)

    4 .   18

Q 7 :   The hexa-decimal equivalent of the decimal number 34 is _____ .   **Marks :**   1

    1 .   22   ☑ (This Answer is Correct)

    2 .   42

    3 .   11

    4 .   34

Q 8 :   Simplify the following expression using De Morgan's Theorem: AB + A' + B'   **Marks :**   1

    1 .   1   ☑ (This Answer is Correct)

    2 .   0

    3 .   A

    4 .   B

Q 9 :   Simplification of : C + ABC yields the following result: **Marks :**   1

    1 .   A

    2 .   B

    3 .   C   ☑ (This Answer is Correct)

    4 .   1

Q 10 :   Simplification of : xy + xy' yields the following result: **Marks :**   1

    1 .   x   ☑ (This Answer is Correct)

    2 .   y

    3 .   1

    4 .   0

Q 11 :   Simplification of : (X + Y)(X + Y') yields the following result: **Marks :**   1

    1 .   X   ☑ (This Answer is Correct)

    2 .   Y

    3 .   1

    4 .   0

Q 12 : The machines developed during the first generation era: **Marks :** 1

1 . UNIVAC

2 . ENIAC

3 . both (1) and (2) ☑ (This Answer is Correct)

4 . None of these

Q 13 : ENIAC stands for _____. **Marks :** 1

1 . Electronic Numerical Integrator And Computer ☑ (This Answer is Correct)

2 . Electronic Numerical Integrator And Calculator

3 . Electronic Numerical Integrator Automatic Computer

4 . Electronic Numerical Integrator Automatic Calculator

Q 14 : A collection of facts or raw materials: **Marks :** 1

1 . Data ☑ (This Answer is Correct)

2 . Information

3 . Note

4 . None of these

Q 15 : This is the process of gathering information from human beings by recognizing marks on a document: **Marks :** 1

1 . Microphone

2 . OCR

3 . OMR ☑ (This Answer is Correct)

4 . Joystick

Q 16 : This is an electronic device which can capture images from physical items and convert them into digital formats: **Marks :** 1

1 . Microphone

2 . Scanner ☑ (This Answer is Correct)

3 . OMR

4 . Joystick

Q 17 : MICR stands for: **Marks :** 1

1 . Magnetic Ink Character Reader ☑ (This Answer is Correct)

2 . Magnetic Ink Character Repeater

3 . Magnetic Input Character Reader

4 . Matrix Ink Character Reader

Q 18 : In _____ printers the images produced on a paper by some electromechanical impact device: **Marks :**   1

1 . light

2 . impact   ☑ (This Answer is Correct)

3 . non-impact

4 . forced

Q 19 : This act like a supervisory unit in the CPU & is responsible for issuing control instruction: **Marks :**   1

1 . CU   ☑ (This Answer is Correct)

2 . ALU

3 . ROM

4 . RAM

Q 20 : Machine independent high level programming languages were introduced in which generation of computers?   **Marks :**   1

1 . First

2 . Second   ☑ (This Answer is Correct)

3 . Third

4 . Fourth

Q 21 : Which technology were used in first generation computers?   **Marks :**   1

1 . Vacuum tubes   ☑ (This Answer is Correct)

2 . Transistors

3 . ICs

4 . Microprocessor

Q 22 : In which generation of computers, Integrated Circuits(IC) instead of transistors were used?   **Marks :**   1

1 . First

2 . Second

3 . Third   ☑ (This Answer is Correct)

4 . Fourth

Q 23 : Which generation of computer is based on the concept of parallel processing and artificial intelligence?   **Marks :**   1

1 . Second

2 . First

3 . Fifth ✅ (This Answer is Correct)

4 . Third

Q 24 : This is a communication system that transfers data between components inside a computer, or between computers.: **Marks :** 1

1 . Wire

2 . CD

3 . Bus ✅ (This Answer is Correct)

4 . None of these

Q 25 : _____ uses mnemonics to create instructions for computer. **Marks :** 1

1 . High-level language

2 . Binary Language

3 . Assembly Language ✅ (This Answer is Correct)

4 . All of these

Q 26 : What is the only language that a computer understands directly? **Marks :** 1

1 . English

2 . Hindi

3 . Machine language ✅ (This Answer is Correct)

4 . Assembly Language

Q 27 : _____ translates entire source code in one go. **Marks :** 1

1 . Assembler

2 . Compiler ✅ (This Answer is Correct)

3 . Interpreter

4 . Debugger

Q 28 : _____ is a set of programs and related data that are used to give instructions to the hardware. **Marks :** 1

1 . Software ✅ (This Answer is Correct)

2 . Hardware

3 . Programming Language

4 . User

Q 29 :   Which of the following is designed to control the operations of a computer?   **Marks :**   1

   1 .   Application Software

   2 . System Software   ☑ (This Answer is Correct)

   3 .   Utility Software

   4 .   All of these

Q 30 :   Example(s) of system software: **Marks :**   1

   1 .   Operating System

   2 .   Compiler

   3 .   Device Manager

   4 . All of these   ☑ (This Answer is Correct)

Q 31 :   Operating Systems will allocate sections of RAM to the processes as part of   **Marks :**   1

   1 .   Processor Management

   2 .   Device Management

   3 .   File Management

   4 . memory management   ☑ (This Answer is Correct)

Q 32 :   _____ serves as an interface between the user and the hardware.   **Marks :**   1

   1 . Operating System   ☑ (This Answer is Correct)

   2 .   Compiler

   3 .   Device Manager

   4 .   All of these

Q 33 :   The execution of compiler compared to interpreter is _____.   **Marks :**   1

   1 .   Slower

   2 . Faster   ☑ (This Answer is Correct)

   3 .   Remains the same

   4 .   None of these

Q 34 :   Which among the following is used to translate assembly code?   **Marks :**   1

   1 . Assembler   ☑ (This Answer is Correct)

   2 .   Compiler

   3 .   Interpreter

   4 .   Debugger

Q 35 :   0s and 1s belongs to _____ language.   **Marks :**   1

    1 .   High-level language

    2 . Binary Language   ✓ (This Answer is Correct)

    3 .   Assembly Language

    4 .   All of these

Q 36 :   Convert the hexadecimal number (1E2)16 to decimal: **Marks :**   1

    1 .   480

    2 .   481

    3 . 482   ✓ (This Answer is Correct)

    4 .   483

Q 37 :   The value of base in a decimal number system is _____   **Marks :**   1

    1 .   2

    2 .   8

    3 . 10   ✓ (This Answer is Correct)

    4 .   16

Q 38 :   What is the 1s complement of 101101?   **Marks :**   1

    1 .   101001

    2 . 10010   ✓ (This Answer is Correct)

    3 .   111101

    4 .   111111

Q 39 :   What could be the maximum value of a single digit in an octal number system?   **Marks :**   1

    1 .   8

    2 .   6

    3 . 7   ✓ (This Answer is Correct)

    4 .   5

Q 40 :   The octal equivalent of the decimal number 10 is _____   **Marks :**   1

    1 .   10

    2 .   11

    3 . 12   ✓ (This Answer is Correct)

    4 .   13

Q 41 : This property gives the background colour for the form. **Marks :** 1

1 . Visible

2 . Name

3 . BackColor ✅ (This Answer is Correct)

4 . None of these

Q 42 : Which control helps us to accept input from the user? **Marks :** 1

1 . TextBox ✅ (This Answer is Correct)

2 . MsgBox

3 . Label

4 . Command Button

Q 43 : This property returns the text contained in the textbox. **Marks :** 1

1 . Show

2 . Font

3 . Text ✅ (This Answer is Correct)

4 . None of these

Q 44 : This is a place in VB to store the pieces of our program. **Marks :** 1

1 . Project ✅ (This Answer is Correct)

2 . Toolbox

3 . Form

4 . None of these

Q 45 : The statement used to force the entire application to stop running. **Marks :** 1

1 . Print

2 . Cls

3 . End ✅ (This Answer is Correct)

4 . Dim

Q 46 : This command is used to print message or the variable value in the output screen: **Marks :** 1

1 . PRINT ✅ (This Answer is Correct)

2 . MsgBox

3 . Msg

4 . None of these

Q 47 :   The default name of form is _____.   **Marks :**   1

    1 .   None of these

    2 .   FormX

    3 .   Form0

    4 .   Form1   ✓ (This Answer is Correct)

Q 48 :   Which among the following is a property of Command Button?   **Marks :**   1

    1 .   Name

    2 .   Caption

    3 .   Enabled

    4 .   All of these   ✓ (This Answer is Correct)

Q 49 :   When clicked, _____ invokes a command that has been written into its click event procedure.   **Marks :**   1

    1 .   Label

    2 .   Command Button   ✓ (This Answer is Correct)

    3 .   Text Box

    4 .   None of these

Q 50 :   The _____ data type is used to store date and time values.   **Marks :**   1

    1 .   Integer

    2 .   Date   ✓ (This Answer is Correct)

    3 .   String

    4 .   Currency

Q 51 :   A variable can be declared with the help of _____ statement.   **Marks :**   1

    1 .   End

    2 .   Cls

    3 .   Dim   ✓ (This Answer is Correct)

    4 .   For

Q 52 :   Where is command button located?   **Marks :**   1

    1 .   combo box

    2 .   toolbox   ✓ (This Answer is Correct)

    3 .   List Box

    4 .   Label Box

Q 53 :   This command is used to clear the screen before executing the program: **Marks :**   1

     1 .   CLEAR

     2 .   ERASE

     3 . CLS   ✅ (This Answer is Correct)

     4 .   None of these

Q 54 :   _____ is a name given given to memory location where a data value will be stored.   **Marks :**   1

     1 . Variable   ✅ (This Answer is Correct)

     2 .   Data type

     3 .   Operator

     4 .   Loop

Q 55 :   For…Next is a type of _____ statement.   **Marks :**   1

     1 . Control   ✅ (This Answer is Correct)

     2 .   Logical

     3 .   Arithmetic

     4 .   Relational

Q 56 :   OR is a _____ operator.   **Marks :**   1

     1 .   Relational

     2 . Logical   ✅ (This Answer is Correct)

     3 .   Arithmetic

     4 .   None of these

Q 57 :   This command is used to convert the text into a number format so that the calculation can be performed.   **Marks :**   1

     1 .   Mod

     2 . Val   ✅ (This Answer is Correct)

     3 .   Numerical

     4 .   None of these

Q 58 :   Declaring a variable tells VB to reserve space in _____.   **Marks :**   1

     1 . Memory   ✅ (This Answer is Correct)

     2 .   CD

     3 .   Pendrive

     4 .   None of these

Q 59 :   Which data type helps us to store our names/words?   **Marks :**   1

1 .   Integer

2 .   Date

3 .   String   ☑ (This Answer is Correct)

4 .   Currency

Q 60 :   Step - 2 means the variable value is: **Marks :**   1

1 .   incremented by 1

2 .   Decremented by 2   ☑ (This Answer is Correct)

3 .   incremented by 2

4 .   None of these

Q 61 :   This loop first executes the statements once before carrying on any condition check.   **Marks :**   1

1 .   For…Next

2 .   Do Until

3 .   Do…Loop While   ☑ (This Answer is Correct)

4 .   None of these

Q 62 :   This is used to execute statements until a certain condition is true.   **Marks :**   1

1 .   Do While loop   ☑ (This Answer is Correct)

2 .   Prompt

3 .   InputBox

4 .   None of these

Q 63 :   This clause in the Dim statement allows defining the data type of the variable.   **Marks :**   1

1 .   As Storage

2 .   As Data Type

3 .   As Data

4 .   As Type   ☑ (This Answer is Correct)

Q 64 :   This is a type of relational operator: **Marks :**   1

1 .   +

2 .   AND

3 .   >=   ☑ (This Answer is Correct)

4 .   None of these

Q 65 :   The terms in SOP are called _____.   **Marks :**   1

1 . maxterms

2 . minterms   ✅ (This Answer is Correct)

3 . midterms

4 . sumterms

Q 66 :   The corresponding min term when x=0, y=0 and z=1.   **Marks :**   1

1 . xyz

2 . x'yz

3 . x'y'z   ✅ (This Answer is Correct)

4 . x'y'z'

Q 67 :   The number of minterms for an expression comprising of 3 variables?   **Marks :**   1

1 . 0

2 . 3

3 . 8   ✅ (This Answer is Correct)

4 . 2

Q 68 :   A variable on its own or in its complemented form is known as a _____.   **Marks :**   1

1 . maxterm

2 . literal   ✅ (This Answer is Correct)

3 . minterm

4 . word

Q 69 :   A _____ gate gives the output as 1 only if all the inputs signals are 1.   **Marks :**   1

1 . AND   ✅ (This Answer is Correct)

2 . OR

3 . XOR

4 . NAND

Q 70 :   "The complement of the product of two variables is equal to the sum of the complement of each variable" , is stated by: **Marks :**   1

1 . Duality Theorem

2 . De Morgan's Law   ✅ (This Answer is Correct)

3 . Associative Law

4 . Distributive Law

Q 71 : Which among the following is stated 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 72 : Which among the following is given by Associative law? **Marks :** 1

1. X + 1 =1

2. X + Y = Y + X

3 . X + (Y + Z) = (Y + X) + Z ✅ (This Answer is Correct)

4. (X + Y)(X + Z) = X + Y.Z

Q 73 : Which among the following is given by Commutative law? **Marks :** 1

1. X + 1 =1

2 . X + Y = Y + X ✅ (This Answer is Correct)

3. X + (Y + Z) = (Y + X) + Z

4. (X + Y)(X + Z) = X + Y.Z

Q 74 : What is A + A'? **Marks :** 1

1 . 1 ✅ (This Answer is Correct)

2. 0

3. A

4. A'

Q 75 : The decimal equivalent of the binary number (1011.011)2 is _____. **Marks :** 1

1 . 11.375 ✅ (This Answer is Correct)

2. 10.123

3. 11.175

4. 9.23

Q 76 : The commonly used event associated with the command control is: **Marks :** 1

1. Command_Press( )

2. Command_drag( )

3 . Command_Click( ) ✅ (This Answer is Correct)

4. None of these

Q 77 :   Consider the following statements and choose the correct options: (I) TextBox helps us to accept data from user. (II) InputBox is an alternative way of getting inputs from user.   **Marks :**   1

1 .   Both statements are false

2 .   Statement (I) is true and Statement (II) is false

3 .   Statement (I) is false and Statement (II) is true

4 .   Both statements are true   ✅ (This Answer is Correct)

Q 78 :   Simplification of : AB + AB' + A'C + A'C' yields the following result: **Marks :**   1

1 .   1   ✅ (This Answer is Correct)

2 .   0

3 .   A

4 .   B

Q 79 :   Simplification of : (A+B)'(A'+B')' yields the following result: **Marks :**   1

1 .   A

2 .   B

3 .   0   ✅ (This Answer is Correct)

4 .   1

Q 80 :   Simplify the following expression: (A+B)(A+C)   **Marks :**   1

1 .   A+B

2 .   BC

3 .   A + BC   ✅ (This Answer is Correct)

4 .   A + C