



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Second Term Examination – 2018

CLASS -- 8

Subject: COMPUTER

F.M:75

Time Allotted: 2 hrs

Date: 25/7/2018

Instructions: Read the questions carefully and answer as directed. The intended marks for questions or parts of questions are given the bracket []. Do not write anything on the question paper unless instructed.

Group – A [20]

1. Fill in the blanks with the correct words:

[5]

- i) The Visual Basic project file has a _____ extension.
- ii) Val command is used to convert _____ value to _____ value.
- iii) We can insert images in an HTML document by using the _____ tag.
- iv) In VB, a variable name cannot have more than _____ characters.
- v) Visual Basic is a kind of _____ programming language.

2. Match the fields (column A) with correct data type (column B) :

[5]

Srl No.	Column A	Column B
(i)	Typing Names	Currency
(ii)	Phone Numbers	Number
(iii)	Current time	Memo
(iv)	Dollars	Text
(v)	Notes	Date and Time

3. Give one word for the following:

[5]

- i) A place to store the pieces of your program in an organized manner in VB.
- ii) A command used to print the message or the variable value in the output screen.
- iii) The tag used in HTML to link to another website.
- iv) A collection of records in Access is known as _____.
- v) A command used to clear the screen before the re-execution of the program.

4. Choose the correct answer for each question:

[5]

- i) Which statement executes the statement first and then tests the condition after each execution?
 - (a) Do...Loop While
 - (b) Do While...Loop
 - (c) Do Until...Loop
 - (d) For...Next Loop
- ii) The tag used to add data inside the table:
 - (a) <TABLE>
 - (b) <TD>
 - (c) <TH>
 - (d) <TR>

- iii) Which property allows you to change the name appearing on the control?
 (a) Name (c) Visible
 (b) Text (d) Caption
- iv) Which window do you open if you want to see all of the objects that you can add to a form?
 (a) The Toolbox (c) The Solution Window
 (b) The Properties Window (d) The Form Designer
- v) Which event is invoked when the form is loaded at the time of execution?
 (a) Command_Click() (c) Form_Load()
 (b) Text_Click() (d) Text_Change()

Group – B [20]

5. Differentiate between the following (*Write examples/syntax wherever applicable*): [5 × 2 = 10]
- i) Project and Form.
 - ii) AND and OR operators.
 - iii) Arithmetic and relational operators.
 - iv) and
 - v) Do...Loop While and For...Next Loop

6. Write answers for the following questions. (ANY 5) [5 × 2 = 10]
- i) What is the role of **DIM** command? Give its syntax.
 - ii) How many types of lists can we insert in HTML? Explain in one line.
 - iii) What are objects in Access?
 - iv) What is a Visual Basic Project? Give the extension of a VB project.
 - v) Explain the parameters in the following syntax:

`Variable = InputBox(prompt, title, defaultValue)`
 - vi) What is a database? What is it made up of?
 - vii) Define event handling.

Group – C [35]

7. Write answers for the following questions in detail. (ANY 7) [7 × 5 = 35]
- i) What are variables? Explain with help of an example. Write the rules for naming a variable.
 - ii) Explain 3 types of operators in Visual Basic.
 - iii) Draw a flowchart to show how a computer works.
 - iv) Explain the Print command with the help of an example.
 - v) What does the InputBox command do? Explain all the parameters of the InputBox command.
 - vi) Explain If...Else...End If and Do While...Loop with syntax and examples.
 - vii) What are the different types of data that can be assigned to fields? Explain with examples.
 - viii) How do we assign a date to a field?
 - ix) Explain the function of the VAL command with example.

Phalguni 27/7/18



ST. LAWRENCE HIGH SCHOOL

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Second Term Examination – 2018

CLASS – 8 SOLUTION

Subject: COMPUTER

F.M:70

Time Allotted: 2 hrs

Date: 25/7/2018

GROUP A

1.

- i. .vbp
- ii. String , numeric
- iii.
- iv. 255
- v. Event driven

2.

- i. Typing Names - Text
- ii. Phone Number - Number
- iii. Current time – Date and Time
- iv. Dollars - Currency
- v. Notes - Memo

3.

- i. Project
- ii. PRINT
- iii. <a>
- iv. table
- v. CLS

4.

- i. (a)
- ii. (b)
- iii. (d)
- iv. (a)
- v. (c)

GROUP B

5.

(i)

Project	Form
A place to store pieces of our program in an organized manner.	Window which is displayed when the program runs.
Its extension is .vbp	Its extension is .frm

(ii)

AND	OR
Operation will be true only if all the conditions are true.	Operation will be true if either of the conditions is true.
Ex - (a<b) AND (a<>b)	Ex - (a<b) AND (a<>b)

(iii)

Arithmetic	Relational
used when an arithmetic operator is performed	used when a comparison is done b/w 2 variables or expressions
Ex - a+b, x^y	Ex - a>b, a=b

(iv)

	
Produces unordered list	Produces ordered list
	

(v)

Do...Loop While	For...Next Loop
It is used to perform a looping routine until a specific condition is met.	It provides a way to perform looping a specific number of times.
Dostatements.... Loop While <condition >	For <counter> = <start_ele> to <counter> = <last_ele> Step <steps>statements..... Next

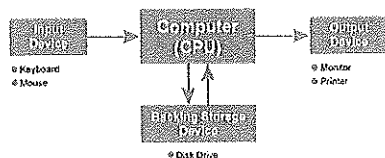
6.

- i. It is used to declare variables in visual basic with proper datatype definition.
Dim <var_name> as <Type>
- ii. Ordered list and Unordered list. Explanation in Pg- 18
- iii. Tables, Queries, Reports are the objects in Access
- iv. A place to store pieces of our program in an organized manner. Its extension is .vbproj.
- v. Prompt message : Text is displayed as the message in the dialog box.
Title : To provide a title in the title bar of the dialog box. It is optional.
DefaultValue : Shows the default text that appears in the input field, which the user may change.
- vi. Database is an organized collection of information and records.
It is made up of fields, records and tables.
- vii. Handle the Event by declaring an event receiver, often called an event handler, which is a subroutine that responds to an event.

7.

- i. **Variable** is name of *reserved area allocated in memory*. In other words, it is a *name of memory location*.
Example: Dim num as Integer
Rules:
 1. Must begin with an **alphabet letter**.
 2. Should not exceed **255** characters.
 3. Should neither contain spaces nor any special characters like @, \$, %, !, # or &.
- ii. 3 Operators:
 - a. Arithmetic operators: used when an arithmetic operator is performed. Ex – a+b, x^y
 - b. Relational operators: used when a comparison is done b/w 2 variables or expressions. Ex – a>b, a=b
 - c. Logical operators: used to combine two or more conditions to generate the final result. Ex- (a>b) AND (a<>b).

iii.



- iv. PRINT – a command used to print the message or the variable value in the output screen.
Syntax:
PRINT "message"

- v. It is used to accept text value in a dialog box. A prompt message is displayed along with the text box, where the user inputs the value.

Syntax:

Variable = InputBox(prompt, title, defaultValue)

Explanation:

Prompt message: Text is displayed as the message in the dialog box.

Title: To provide a title in the title bar of the dialog box. It is optional.

DefaultValue: Shows the default text that appears in the input field, which the user may change.

- vi. **If...else...statement**

If statements provide a way to check if one or more conditions are met:

Syntax:

If <condition is true> then

 statements.....

Else

 statements...

End if

Do While ...Loop

It is used to perform a looping routine until a specific condition is met.

Syntax:

Do While <condition >

 statements.....

Loop

- vii. Date and Time : specifies to date and time. Ex – current date
Yes/No: used to enter data that involves either Yes or No
Memo: used to store data in the form of short messages and notes.
Currency: to handle data involving currencies. Ex – dollars, pounds
Text: data that involves no calculations. Ex- name, address
Number: involves calculations or data is numerical. Ex- age
- viii. Steps :
- a. Click and select the field. The table opens up.
 - b. Click on drop-down arrow of Date in the Data Type and Formatting group.
- ix. Val command is used to convert string value to numeric value. Ex- Val(Text1.Text)