

Note: This is Model Paper for guidance of students & teachers.

Answer Sheet No.

**Model Paper Computer Science (OBJECTIVE) Roll No.**

**PART – II (Session 2012-14)**  
**(INTERMEDIATE)**

Sign. Dy. Supdt.

Fictitious Roll No. (For Office Use)

Sign. Candidate

Marks : 17

Time : 20 Minutes

Note:- Write your Roll No. in space provided. Over writing, cutting, using of lead pencil will result in loss of marks. All questions are to be attempted.

1- Each question has four possible answers, Tick (✓) the correct answer. (17)

Q. No.	QUESTIONS	(A)	(B)	(C)	(D)
1	The process of arranging data in logical sequence is called	Sorting	summarizing	data computing	classifying
2	Create command is used to create	table	view	query	report
3	Which of the following is used to associate entities one another	Entity	attribute	identifier	relationship
4	In 2NF which form of dependency is removed	functional	partial	associate	transitive
5	Each set of related items in a table is called	Table	record	Field	query
6	How many table views are available in Microsoft Access	1	2	3	4
7	All of the following are form layout except	Tabular	columnar	justified	relationship
8	$a \rightarrow b$ is equal to OR Visual Basic is product of:	$b \rightarrow a$ Microsoft	$a \rightarrow b$ IBM	$a \rightarrow a+b$ Sun System	$b \rightarrow b+a$ Hewlett
9	In C Language expression $9/5*2$ evaluates OR A project file is saved with the following extension:	3.6 .frm	0.6 .vbp	0 .vb	2 .frx
10	Which of the following function is used to input data in C program OR Methods characterize an object's :	scanf Appearance	printf Value	get() Style	getch() Behavior
11	Which of the following format specifier is used for string OR The property that changes text color is :	%.f BackColor	%d FontColor	%s ForeColor	%c TextColor
12	Which programming structure executes program started in order OR A memory location with some data that can be changed is called:	Relation Constant	Decision variable	Sequence Named constant	Repetition Symbolic constant

13	The case block ends with OR Which of the following is not arithmetic operators:	end select +	Endcopy -	Break mod	Stop &
14	How many types of loop structure are available in C OR Another term used for making a decision is :	4 Sequential	3 Selection	2 Repetition	6 Iteration
15	Which is the final value of x after executing following code: for(int x=0; x<10; x++) OR In if statement ,true is represented by:	10 0	9 1	0 2	1 3
16	Global variable are created in OR The keyword that makes the end of a Do structure is:	RAM END DO	ROM EXIT DO	hard disk Loop	Cache End While
17	An array subscript should be OR What is the default lower bound of an array?	Int -1	Float 0	Double 1	Char Any value

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## Model Paper Computer Science Subjective

Intermediate Part – II (12<sup>th</sup> Class) Examination Session 2012-2014 and onward

Total marks: 83

Time: 3:10 hours

### SECTION - I

Write answers of any Eight questions.

(8 × 2 = 16)

- (i) Describe data manipulation.
- (ii) State the use of Query language.
- (iii) List different objectives of the databases.
- (iv) Who is data administrator?
- (v) Define foreign key?
- (vi) How a relation is formed in database?
- (vii) What is meant by file organization?
- (viii) Define the term redundancy.
- (ix) Write down major database objects in MS ACCESS.
- (x) Write some advantages of using MS ACCESS IDE.
- (xi) Describe field property.
- (xii) Differentiate between Combo box and List box.

Write answers of any Eight questions.

(8 × 2 = 16)

(Note: In each option 1st question relates to C Language & 11nd question relates to Visual Basic)

- (i) How does a compiler work?  
OR  
Describe OOP.
- (ii) Write shortcut key to compile C program.  
OR  
Why Visual Basic is called event driven language?
- (iii) Give an example of preprocessor directive.  
OR  
What do you know about code window in Visual Basic?
- (iv) What is variable initialization?  
OR  
What is the purpose of Val function?
- (v) List at least four data types used in C Language.  
OR  
List at least four data types used in Visual Basic.
- (vi) How are comments added on multiple lines?  
OR  
How comments are added in Visual Basic?
- (vii) Differentiate between 'area' and area.  
OR  
What is the output of  $10 * 2 ^ 2$  ?
- (viii) What do you know about format specifier?  
OR  
Define event. Give at least two examples of events.
- (ix) Write C statement to print the value of an integer n.  
OR  
Differentiate between Properties and Methods.
- (x) Describe the use of ampersand(&) in scanf function.  
OR  
How does an option button differ from check box?
- (xi) Find the errors in the following code  
Main (); {  
PRINTF("HELLO") }  
OR  
What is the size of twip?
- (xii) Determine the output of the following code segment.  
float p = 3.14159;  
printf("p=%5.1f",p);  
OR  
What is the purpose of control naming conventions?



4. Write answers of any six questions.

(6 × 2 = 12)

(Note: In each option 1st question relates to C Language & 2nd question relates to Visual Basic)

- (i) Write an expression in C language for "Number is divisible by 5".  
OR  
Write an expression in Visual Basic for "Number is divisible by 5".
- (ii) Define Control structure.  
OR  
Define Control structure.
- (iii) What is conditional operator? Write the syntax of conditional operator.  
OR  
Describe Relational operators in Visual Basic.
- (iv) What is use of "if-else" statement.  
OR  
Write the syntax of IF . . . THEN Structure in Visual Basic.
- (v) Write two uses or advantages of loop.  
OR  
What do you know about Do . . . Loop . . . Until ?
- (vi) Define sentinel value.  
OR  
Differentiate between outer and inner loop in Visual Basic.
- (vii) What is the scope of local variables?  
OR  
What is standard code module?
- (viii) Define function. Why is it used in a program?  
OR  
What is the use of function procedure?
- (ix) What is the use of file pointer?  
OR  
List file modes for data files in Visual Basic.

**SECTION II (Essay Type)**

Note:- Attempt any one question.

(8 × 1 = 08)

**MS - ACCESS**

5. What is ER diagram? Explain with the help of an example. [ 8 ]
6. Discuss different data types available in MS Access. [ 8 ]

**SECTION II (Essay Type)**

Note:- Attempt any Two questions either from "C Language" OR from "Visual Basic".

(8 × 2 = 16)

7. **C- Language**  
Briefly describe the basic structure of a C program. [ 8 ]

----- OR ----- **Visual Basic**

Write a detailed note on Components or elements of Visual Basic IDE. [ 8 ]

8.

**C- Language**

What is "switch " statement? Explain its working with example.

[ 8 ]

**OR Visual Basic**

Explain Select . . . Case Structure with its working

[ 8 ]

9.

**C- Language**

Define for loop. Explain its working with example.

[ 8 ]

**OR Visual Basic**

What is meant by pretest and posttest in loop? Explain with a suitable example [ 8 ]

**SECTION III (PRACTICAL)**

**Attempt any Three parts of the question.**

**[ 3 x 5 = 15 ]**

10.

- (i) Explain the procedure to extract data from multiples tables.
- (ii) What are check boxes and option buttons? Explain the procedure of adding these objects to a form.
- (iii) Write a program that inputs 4 numbers, calculate their sum, average and product of these numbers in C Language or in Visual Basic.
- (iv) Write a program that inputs a number from the user and display a table of that number using for loop in C Language or using For . . . Next Loop in Visual Basic.
- (v) Write a program that inputs two numbers in main function. Passes these numbers to a function. The function displays the maximum number in C Language or in Visual Basic.