

# Assessment Scheme

For Computer Science 12<sup>th</sup> Part II Session 2012-14 & ONWARD  
Time: 03:30 hrs  
Total Marks:- 100

Sr. No	Chapters of Punjab Text Book Board Book	Weightage	Distribution of Marks	M.C.Qs			Short Answer Questions			Essay Type Questions			Questions relating to Practicals			
				Allotted Marks 17			Allotted Marks 44			Allotted Marks 24			Allotted Marks 15			
				Q. to be asked 17 Q. to be attempted 17			Q. to be asked 33 Q. to be attempted 22			Q. to be asked 5 Q. to be attempted 3			Q. to be asked 5 Q. to be attempted 3			
				Time 20 Minutes			Time 3 Hours & 10 Minutes			Time 3 Hours & 10 Minutes			Time 3 Hours & 10 Minutes			
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks	
1	1	5%	7	1	-	-	1	1	1	1	6	-	-	-	-	Question No. 10  a. Chapter # 6 b. Chapter # 7 c. Chapter # 10 d. Chapter # 12 e. Chapter # 13
2	2	5%	8	1	1	-	2	1	1	1	6	-	-	-	-	
3	3	8%	11	-	1	-	1	-	-	1	2	1	-	-	8	
4	4	2%	3	-	-	1	1	-	1	-	2	-	-	-	-	
5	5	3%	4	-	-	-	-	1	-	1	4	-	-	-	-	
6	6	10%	11	1	-	-	1	-	1	-	2	-	1	-	8	
7	7	7%	3	-	-	1	1	1	-	-	2	-	-	-	-	
8	8	10%	15	1	-	-	1	1	1	1	6	1	-	-	8	
9	9	6%	9	-	1	-	1	2	1	1	8	-	-	-	-	
10	10	11%	12	1	1	-	2	1	2	2	10	-	-	-	-	
11	11	12%	18	-	-	2	2	-	2	2	8	-	1	-	8	
12	12	13%	14	1	1	-	2	-	2	-	4	-	-	1	8	
13	13	6%	5	1	-	-	1	1	1	-	4	-	-	-	-	
14	14	2%	3	-	1	-	1	-	1	-	2	-	-	-	-	
Total				17			66			40			25			

## Important Note:-

- 1) K= Knowledge. U= Understanding / Comprehension A= Application & Analysis
- 2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.  
Q # 2 Chapter # 1,2,3,4,5,6,7 Q # 3 Chapter # 8,9,10 Q # 4 Chapter # 11,12,13,14



- 3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.
- 4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.
- 5) The Practical will be conducted at the end of 12<sup>th</sup> Class which is mandatory to qualify for award of certificate.
- The Practical assessment will be made in the form of grading as per following criteria.
- A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = Below 40%**

Result . PK



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

**Model Paper Computer Science Objective**

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

**Total marks: 17    Paper Code \_\_\_\_\_    Time Allowed: 20 minutes**

**Note:-** You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

*(Note: Serial No. 8 to 17 Ist question relates to C Language & IInd question relates to Visual Basic)*

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

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Result . PK



## 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

2. Write answers of any Eight questions. (8 x 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.

3. Write answers of any Eight questions. (8 x 2 = 16)

(Note: In each option 1st question relates to C Language & 2nd 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 x 2 = 12)

*(Note: In each option 1st question relates to C Language & IInd 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 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.

Result