

INTERMEDIATE PART-II (12th CLASS)**COMPUTER SCIENCE PAPER-II (NEW SCHEME) (SESSION 2015-2017)**

TIME ALLOWED: 2.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 60

NOTE: - Write same question number and its part number on answer book, as given in the question paper.

SECTION-I**(Either from "MS-Access & C-Language" or from "MS-Access & Visual Basic").****2. Attempt any six parts.****MS-ACCESS****6 x 2 = 12**

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|--|--------------------------------------|
| (i) Describe Data Capturing. | (ii) List down two features of DBMS. |
| (iii) Give one example of one – to – one relationship. | (iv) Define Indexes. |
| (v) How first normal form is achieved? | (vi) What is Normalization? |
| (vii) Differentiate between Menu bar and Toolbar. | (viii) Define Degree of Relation. |
| (ix) Write definition of Reports. | |

3. Attempt any six parts.**C-LANGUAGE****6 x 2 = 12**

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|---|--------------------------------------|
| (i) Define Structured Programming. | (ii) Define Constant Macro. |
| (iii) What is a Computer Program? | (iv) Define Data Type. Give example. |
| (v) Which operators are used to evaluate compound condition? | |
| (vi) Trace the output of the following:-
$x = 5;$
$y = x + +;$
<code>Printf ("%d %d", x, y);</code> | |
| (vii) Write C statement to input value of integer variable x . | |
| (viii) Write output of the following code
<code>int n = -25.41;</code>
<code>Printf ("%6.2f", n);</code> | |
| (ix) Trace error in the following code
<code>Void main ();</code>
<code>{</code>
<code> Float x;</code>
<code> Printf (Input value);</code>
<code> Scanf ("%d", x);</code>
<code>}</code> | |

4. Attempt any six parts.**6 x 2 = 12**

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|--|--|
| (i) Why break statement is used in a switch structure? | |
| (ii) Show output:-
<code>int p = 10;</code>
<code>if (p! = 10)</code>
<code> p = 0;</code>
<code>else</code>
<code> pt = 5;</code> | |
| (iii) Find errors:
<code>Void main ()</code>
<code>{</code>
<code> int a ; b ;</code>
<code> a = 10, b = 5</code>
<code> if (a = < b)</code>
<code> printf ('A is less then B');</code>
<code> getch ();</code>
<code>}</code> | |
| (iv) What is Sentinel Controlled Loop? | |
| (v) Show output:
<code>int m;</code>
<code>for (m = 0; m > = 0; m++)</code>
<code> printf (" %d \t", m);</code> | |
| (vi) Convert into while loop code:-
<code>for (i = 3 ; i < = 9; i + = 3)</code>
<code>{</code>
<code> printf (" * \t * \t * \n ");</code>
<code>}</code> | |
| (vii) Define Function Declaration or Function prototype. | (viii) State the use of Formal Parameters. |
| (ix) How the end of Text file is indicated? | |

OR**VISUAL BASIC****3. Attempt any six parts.****6 x 2 = 12**

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|------------------------------------|--------------------------|------------------------------------|
| (i) What is Net Platform? | (ii) Compare VB and VBA. | (iii) Define Programming Language. |
| (iv) Write use of Property Window. | | (v) Describe purpose of Textbox. |

(P.T.O.)

- (vi) Trace errors in the following:-
 Dim x integer
 x + y = x
 x = Input ("Enter value")
 Print = x
- (vii) How do we manage controls on the form?
- (viii) Write output of the following code:-
 MsgBox ("The sum = " + 20);
- (ix) Trace error in the following const Dim x float:-
 x++ = y,
 print y ;
 x + 4 = x

4. Attempt any six parts.

6 x 2 = 12

- (i) Differentiate between a Variable length string and Fixed length string.
- (ii) Show output:
 Dim C, D, E as integer
 C = 15, D = 42, E = D, D = C, C = E
 Print C
 Print D
- (iii) Find errors:
 Dem age as integer
 Dim address As string
 age = days/365;
 print age
- (iv) In Visual Basic, how select case helps in coding?
- (v) Define Toolbar in Visual Basic.
- (vi) Find errors:-
 Dim age as string
 IFF (age > 18) then
 Print "Boy"
 Else
 Print "Child"
- (vii) Can do until loop be written as pretest or post test?
- (viii) Show output:-
 Dim R As integer
 Dim i As integer
 R = 0
 i = 1
 Do while i <= 5
 R = R + i
 i = i + 1
 Loop
 Print R
- (ix) Convert into For – Next loop code:-
 n = 1
 while n <= 5
 print "Pakistan"
 n = n + 1
 Wend

SECTION-II MS-ACCESS NOTE: - Attempt any one question.

5. Explain components of Logical Database Model. 8
6. What is Query? Discuss its uses and advantages. 8

C-LANGUAGE NOTE: - Attempt any two questions.

7. How many types of errors can occur in a C-language Program? Which one is the most difficult to find and remove? 8
8. Write a program in C-Language that inputs years and check whether it is a leap year or not. 8
9. Define do – while loop. Write its syntax. Explain its working with example. 8

OR VISUAL BASIC NOTE: - Attempt any two questions.

7. Define Object Oriented Languages. Also discuss different features of Object Oriented Programming. 8
8. Write a program in Visual Basic that inputs year and check whether it is a leap year or not. 8
9. What is Do --- WHILE loop in Visual Basic? Write its syntax. Explain its working with example. 8

COMPUTER SCIENCE PAPER-II (NEW SCHEME) (SESSION 2015-2017)

TIME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 15

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. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

(Either from "MS-ACCESS & C-LANGUAGE" OR from "MS-ACCESS & VISUAL BASIC")

MS-ACCESS

- (1) Duplicate data in multiple data file is called:- (A) Data Redundancy
(B) Data Integrity (C) Data Inconsistency (D) Program Dependence
- (2) Views are also called:-
(A) Complex tables (B) Simple tables (C) Virtual tables (D) Actual tables
- (3) _____ key does not hold uniqueness property.
(A) Candidate (B) Foreign (C) Primary (D) Secondary
- (4) A report may be based on:-
(A) Table (B) Relationship (C) Form (D) Attribute
- (5) _____ table views are available in Microsoft Access.
(A) 1 (B) 2 (C) 3 (D) 4
- (6) _____ auto form displays one record at a time.
(A) Columnar (B) Tabular (C) Datasheet (D) Justified

C-LANGUAGE

- (7) The extension of C source program is:-
(A) .h (B) .c (C) .obj (D) .exe
- (8) Variable name can not contain a (an):-
(A) Letter (B) Underscore (C) Period (D) Number
- (9) _____ function is used to input data in C program.
(A) Printf () (B) Scanf () (C) gets () (D) main ()
- (10) The only binary operator in the following is:-
(A) ? (B) ++ (C) -- (D) +
- (11) Another term for a computer program in making a decision is called:-
(A) Sequential (B) Repetition (C) Selection (D) Iteration
- (12) _____ loop structure always executes at least once.
(A) Nested (B) FOR (C) While (D) do while
- (13) In a for statement, the expression is executed only once:-
(A) Validation (B) Initialization (C) Test (D) Condition
- (14) Another name for built in function is called:-
(A) Library function (B) User defined function (C) Arithmetic function (D) Binary function
- (15) In _____ file opening mode, data can only be read from an existing file.
(A) W (B) W+ (C) r+ (D) r

OR**VISUAL BASIC**

- (7) The Visual Basic project is saved with extension:-
(A) .exe (B) .Vbp (C) .frm (D) .Vb
- (8) The number of bytes used by long integer in Visual Basic is:-
(A) 1 (B) 2 (C) 4 (D) 8
- (9) The val () method is used to convert valid text data into the type:-
(A) Single (B) Double (C) Integer (D) Long Integer
- (10) The unary operator in the following is:-
(A) AND (B) <> (C) = (D) NOT
- (11) If $x = 50$ and $y = 10$, _____ will be the value of X after following expression $X = x + y * x$.
(A) 450 (B) 500 (C) 550 (D) 600
- (12) The value of x after the loop execution is For $x = 2$ to 12 step 3.
(A) 08 (B) 09 (C) 10 (D) 11
- (13) The loop which never ends is called:-
(A) Continuous loop (B) Infinite loop (C) Forever loop (D) Running loop
- (14) A variable declared in general declaration section of a form is called:-
(A) Global variable (B) Local variable (C) Automatic variable (D) Static variable
- (15) _____ control is used for Yes/No option.
(A) Option button (B) List box (C) Combo box (D) OLE control

BOARD OF INTERMEDIATE AND S
MULTAN

OBJECTIVE KEY FOR INTER (PART-2)

Name of Subject Computer Science :

Group: 1st New Scheme

Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
	4831	4833	4835	4837
1.	A	B	B,D	C
2.	C	A	A	B,D
3.	B,D	A	B	A
4.	A	C	A	B
5.	B	B,D	A	A
6.	A	A	C	A
7.	B	B	C	B,C
8.	C	A	D	D
9.	B,C	D,A	B	C
10.	D	B	A	D
11.	C	C	D,A	B
12.	D	B,C	B	A
13.	B	D	C	D,A
14.	A	C	B,C	B
15.	D,A	D	D	C
16.				
17.				
18.				
19.				
20.				

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