

Q. Nos.	Paper Code 8831	Paper Code 8833	Paper Code 8835	Paper Code 8837
1.	D	C	D	A
2.	C	D	D	B
3.	A	C	C	D
4.	B	A	D	D
5.	D	B	C	C
6.	D	D	A	D
7.	C	D	B	C
8.	B	C	B	D
9.	C	D	C	A
10.	D	B	B	B
11.	A	C	Z	C
12.	B	D	C	B
13.	C	A	D	Z
14.	B	B	B	C
15.	Z	C	C	D
16.	C	B	D	B
17.	D	Z	A	C
18.				
19.				
20.				

∴ 'Z' for any option
(a, b, c, d)

سرٹیفکیٹ ماہر تالیف سوالیہ پرچہ مارک ٹکٹ Key

ہم نے مشورہ Computer Science پرچہ II گروپ X عیم X ایمر کالونڈر X امتحان 2016 کا سوالیہ پرچہ لکھایا اور سرٹیفکیٹ ماہر تالیف (Subjective & Objective) کو نظر میں رکھ کر لکھا ہے۔ یہ پرچہ سلیبس کے میں مطابق Set کیا گیا ہے۔ اس سوالیہ پرچہ میں کسی قسم کی کوئی غلطی نہیں ہے۔ ہم نے سوالیہ پرچہ کا اردو اور انگریزی Version بھی چیک کر لیا ہے یہ Version آؤس میں مطابقت رکھتے ہیں اور سلیبس (Syllabus) کے مطابق بھی ہیں۔ نیز اس پرچہ کی Key کی بار بار بھی تصدیق کرنا جاتی ہے کہ یہ بھی درست بنائی گئی ہے۔ اس سٹڈی گیس کی قسم کی کوئی غلطی نہیں ہے۔ مزید یہ کہ ہم نے Key بنانے سے متعلق دفتر کی جانب سے تیار کردہ ہدایات وصول کر کے ان کا بخور مطالعہ کر لیا ہے اور ان کی روشنی میں Key بنائی ہے۔

PREPARED & CHECKED BY

Sr.No	Name	Designation	Institution	Mobile No.	Signature
1.	M. Ameen	A/P	Govt. College Jhelum		
2.	M. Ali	A/P	Govt. Science College Multan	0333-618942	
3.	M. Adnan		Kings College Multan	0333-6133229	

COMPUTER SCIENCE
PAPER-IITIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17OBJECTIVE

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

- (1) A collection of related fields is called:-
(A) File (B) Database (C) Attribute (D) Record
- (2) _____ type requires largest processing time.
(A) Random File (B) Direct Access File (C) Sequential File (D) Index Sequential file
- (3) The selected candidate key is called:-
(A) Primary Key (B) Foreign Key (C) Super Key (D) Composite Key
- (4) _____ are used to define characteristics of an entity.
(A) Objects (B) Attributes (C) Records (D) Files
- (5) Every table must have a:-
(A) Foreign Key (B) Sort Key (C) Composite Key (D) Primary Key
- (6) To find a name that starts with S, the criteria is written as:-
(A) S#? (B) S# (C) ?S (D) S*
- (7) _____ is used to retrieve data from one or more tables.
(A) Macro (B) Table (C) Query (D) Form

C-Language

- (8) _____ key is used to save a file in Turbo C++.
(A) F1 (B) F2 (C) F5 (D) F7
- (9) The number of bytes used by long double data type is:-
(A) 4 (B) 8 (C) 10 (D) 12
- (10) The format specifier used for floating point values is:-
(A) %u (B) %i (C) %d (D) %e
- (11) The escape sequence used to move cursor one character back is:-
(A) \b (B) \t (C) \n (D) \r
- (12) _____ operators are used to make compound condition.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (13) The expression $p - = q$ is equivalent to:-
(A) $p = q - p$ (B) $p = q - 1$ (C) $p = p - q$ (D) $q = p - q$
- (14) _____ statement causes to terminate loop early.
(A) Continue (B) Break (C) End (D) Exit
- (15) One iteration of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition
- (16) Multiple arguments passed to a function are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (17) In _____ file opening mode, data can only be read from an existing file.
(A) W (B) W+ (C) r+ (D) r

VISUAL BASIC

- (8) _____ shortcut key is used to save a project in Visual Basic.
(A) Alt + S (B) Ctlr + S (C) Alt + Shift + S (D) Ctlr + Shift + S
- (9) The number of bytes used by currency type variable is:- (A) 2 (B) 4 (C) 8 (D) 10
- (10) The index of an array is also called:-
(A) Size (B) Content (C) Value (D) Subscript
- (11) The value of pre-defined constant VbytesNo is:- (A) 4 (B) 5 (C) 6 (D) 7
- (12) _____ operators are used to make compound condition in VB.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (13) _____ keyword is used to increment or decrement a counter by a value in FOR --- NEXT loop.
(A) Interval (B) Skip (C) Step (D) Next loop
- (14) _____ keyword is used for early termination of FOR --- NEXT loop.
(A) End For (B) Exit For (C) Exit Loop (D) End Loop
- (15) One execution of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition
- (16) Multiple arguments passed to a function in VB are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (17) _____ keyword in VB is used to trigger the execution of another procedure.
(A) Run (B) Start (C) Go (D) Call

COMPUTER SCIENCE
PAPER-II

OBJECTIVE

TIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17

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

- (1) _____ is used to retrieve data from one or more tables.
(A) Macro (B) Table (C) Query (D) Form
- (2) A collection of related fields is called:-
(A) File (B) Database (C) Attribute (D) Record
- (3) _____ type requires largest processing time.
(A) Random File (B) Direct Access File (C) Sequential File (D) Index Sequential file
- (4) The selected candidate key is called:-
(A) Primary Key (B) Foreign Key (C) Super Key (D) Composite Key
- (5) _____ are used to define characteristics of an entity.
(A) Objects (B) Attributes (C) Records (D) Files
- (6) Every table must have a:-
(A) Foreign Key (B) Sort Key (C) Composite Key (D) Primary Key
- (7) To find a name that starts with S, the criteria is written as:-
(A) S#? (B) S# (C) ?S (D) S*

C-Language

- (8) Multiple arguments passed to a function are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (9) In _____ file opening mode, data can only be read from an existing file.
(A) W (B) W+ (C) r+ (D) r
- (10) _____ key is used to save a file in Turbo C++.
(A) F1 (B) F2 (C) F5 (D) F7
- (11) The number of bytes used by long double data type is:-
(A) 4 (B) 8 (C) 10 (D) 12
- (12) The format specifier used for floating point values is:-
(A) %u (B) %i (C) %d (D) %e
- (13) The escape sequence used to move cursor one character back is:-
(A) \b (B) \t (C) \n (D) \r
- (14) _____ operators are used to make compound condition.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (15) The expression $p = q$ is equivalent to:-
(A) $p = q - p$ (B) $p = q - 1$ (C) $p = p - q$ (D) $q = p - q$
- (16) _____ statement causes to terminate loop early.
(A) Continue (B) Break (C) End (D) Exit
- (17) One iteration of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition

VISUAL BASIC

- (8) Multiple arguments passed to a function in VB are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (9) _____ keyword in VB is used to trigger the execution of another procedure.
(A) Run (B) Start (C) Go (D) Call
- (10) _____ shortcut key is used to save a project in Visual Basic.
(A) Alt + S (B) Ctlr + S (C) Alt + Shift + S (D) Ctlr + Shift + S
- (11) The number of bytes used by currency type variable is:- (A) 2 (B) 4 (C) 8 (D) 10
- (12) The index of an array is also called:-
(A) Size (B) Content (C) Value (D) Subscript
- (13) The value of pre-defined constant VbytesNo is:- (A) 4 (B) 5 (C) 6 (D) 7
- (14) _____ operators are used to make compound condition in VB.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (15) _____ keyword is used to increment or decrement a counter by a value in FOR --- NEXT loop.
(A) Interval (B) Skip (C) Step (D) Next loop
- (16) _____ keyword is used for early termination of FOR --- NEXT loop.
(A) End For (B) Exit For (C) Exit Loop (D) End Loop
- (17) One execution of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition

**COMPUTER SCIENCE
PAPER-II**TIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17**OBJECTIVE**

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

- (1) Every table must have a:-
(A) Foreign Key (B) Sort Key (C) Composite Key (D) Primary Key
- (2) To find a name that starts with S, the criteria is written as:-
(A) S#? (B) S# (C) ?S (D) S*
- (3) _____ is used to retrieve data from one or more tables.
(A) Macro (B) Table (C) Query (D) Form
- (4) A collection of related fields is called:-
(A) File (B) Database (C) Attribute (D) Record
- (5) _____ type requires largest processing time.
(A) Random File (B) Direct Access File (C) Sequential File (D) Index Sequential file
- (6) The selected candidate key is called:-
(A) Primary Key (B) Foreign Key (C) Super Key (D) Composite Key
- (7) _____ are used to define characteristics of an entity.
(A) Objects (B) Attributes (C) Records (D) Files

C-Language

- (8) _____ operators are used to make compound condition.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (9) The expression $p - = q$ is equivalent to:-
(A) $p = q - p$ (B) $p = q + 1$ (C) $p = p - q$ (D) $q = p - q$
- (10) _____ statement causes to terminate loop early.
(A) Continue (B) Break (C) End (D) Exit
- (11) One iteration of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition
- (12) Multiple arguments passed to a function are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (13) In _____ file opening mode, data can only be read from an existing file.
(A) W (B) W+ (C) r+ (D) r
- (14) _____ key is used to save a file in Turbo C++.
(A) F1 (B) F2 (C) F5 (D) F7
- (15) The number of bytes used by long double data type is:-
(A) 4 (B) 8 (C) 10 (D) 12
- (16) The format specifier used for floating point values is:-
(A) %u (B) %i (C) %d (D) %e
- (17) The escape sequence used to move cursor one character back is:-
(A) \b (B) \t (C) \n (D) \r

VISUAL BASIC

- (8) _____ operators are used to make compound condition in VB.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (9) _____ keyword is used to increment or decrement a counter by a value in FOR --- NEXT loop.
(A) Interval (B) Skip (C) Step (D) Next loop
- (10) _____ keyword is used for early termination of FOR --- NEXT loop.
(A) End For (B) Exit For (C) Exit Loop (D) End Loop
- (11) One execution of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition
- (12) Multiple arguments passed to a function in VB are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (13) _____ keyword in VB is used to trigger the execution of another procedure.
(A) Run (B) Start (C) Go (D) Call
- (14) _____ shortcut key is used to save a project in Visual Basic.
(A) Alt + S (B) Ctlr + S (C) Alt + Shift + S (D) Ctlr + Shift + S
- (15) The number of bytes used by currency type variable is:- (A) 2 (B) 4 (C) 8 (D) 10
- (16) The index of an array is also called:-
(A) Size (B) Content (C) Value (D) Subscript
- (17) The value of pre-defined constant VbyesNo is:- (A) 4 (B) 5 (C) 6 (D) 7

COMPUTER SCIENCE
PAPER-IITIME ALLOWED: 20 Minutes
MAXIMUM MARKS: 17OBJECTIVE

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

- (1) The selected candidate key is called:-
(A) Primary Key (B) Foreign Key (C) Super Key (D) Composite Key
- (2) _____ are used to define characteristics of an entity.
(A) Objects (B) Attributes (C) Records (D) Files
- (3) Every table must have a:-
(A) Foreign Key (B) Sort Key (C) Composite Key (D) Primary Key
- (4) To find a name that starts with S, the criteria is written as:-
(A) S#? (B) S# (C) ?S (D) S*
- (5) _____ is used to retrieve data from one or more tables.
(A) Macro (B) Table (C) Query (D) Form
- (6) A collection of related fields is called:-
(A) File (B) Database (C) Attribute (D) Record
- (7) _____ type requires largest processing time.
(A) Random File (B) Direct Access File (C) Sequential File (D) Index Sequential file

C-Language

- (8) The format specifier used for floating point values is:-
(A) % u (B) % i (C) % d (D) % e
- (9) The escape sequence used to move cursor one character back is:-
(A) \b (B) \t (C) \n (D) \r
- (10) _____ operators are used to make compound condition.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (11) The expression $p - = q$ is equivalent to
(A) $p = q - p$ (B) $p = q - 1$ (C) $p = p - q$ (D) $q = p - q$
- (12) _____ statement causes to terminate loop early
(A) Continue (B) Break (C) End (D) Exit
- (13) One iteration of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition
- (14) Multiple arguments passed to a function are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (15) In _____ file opening mode, data can only be read from an existing file.
(A) W (B) W+ (C) r+ (D) r
- (16) _____ key is used to save a file in Turbo C++.
(A) F1 (B) F2 (C) F5 (D) F7
- (17) The number of bytes used by long double data type is:-
(A) 4 (B) 8 (C) 10 (D) 12

VISUAL BASIC

- (8) The index of an array is also called:-
(A) Size (B) Content (C) Value (D) Subscript
- (9) The value of pre-defined constant VbytesNo is:- (A) 4 (B) 5 (C) 6 (D) 7
- (10) _____ operators are used to make compound condition in VB.
(A) Arithmetic (B) Logical (C) Bitwise (D) Relational
- (11) _____ keyword is used to increment or decrement a counter by a value in FOR --- NEXT loop.
(A) Interval (B) Skip (C) Step (D) Next loop
- (12) _____ keyword is used for early termination of FOR --- NEXT loop.
(A) End For (B) Exit For (C) Exit Loop (D) End Loop
- (13) One execution of a loop is known as:-
(A) Iteration (B) Duration (C) Cycle (D) Repetition
- (14) Multiple arguments passed to a function in VB are separated by:-
(A) Period (B) Colon (C) Comma (D) Semicolon
- (15) _____ keyword in VB is used to trigger the execution of another procedure.
(A) Run (B) Start (C) Go (D) Call
- (16) _____ shortcut key is used to save a project in Visual Basic.
(A) Alt + S (B) Ctlr + S (C) Alt + Shift + S (D) Ctlr + Shift + S
- (17) The number of bytes used by currency type variable is:- (A) 2 (B) 4 (C) 8 (D) 10

(iii) Trace error:-

(2)

```
Void main ( )
{
    int a = 2
    If ( a = 1 )
        Printf ("OK");
    Else
        Printf ("Cancel");
    getch ( );
}
```

(iv) Trace output:-

```
int a = 5, b = 10;
if a > b
    printf ("Low Triangle");
else
    printf ("Huge Triangle");
```

(v) Trace output:-

```
int i, j = 10;
for ( i = 1; i <= 5; i++ )
{
    printf ("\nPakistan");
}
```

(vi) Convert the following code into while loop:-

```
for ( int i = 1; i <= 10; i++ )
{
    printf ("\nPakistan");
}
```

(vii) What is lifetime of a variable?

(viii) What is the scope of a local variable?

(ix) What is the use of Data File?

VISUAL BASIC

(i) What is Control Structure?

(ii) Write the syntax of if-then-else statement.

(iii) How do we print form in Visual Basic?

(iv) What is the purpose of Val function?

(v) Give one difference between Cls and Hide Methods of Form.

(vi) Write any two parts of Form Object.

(vii) When is concatenation useful in a Visual Basic Project?

(viii) What is the scope of a Local Variable?

(ix) What is lifetime of a variable?

SECTION-II (Essay Type)

NOTE: - Attempt any one question.

MS-ACCESS

5. Define Database System. What are three major components of Database System?

Explain in detail.

2 + 2 + 4 = 8

6. Explain any four methods of modifying a table.

2 + 2 + 2 + 2 = 8

NOTE: - Attempt any two questions either from "C-Language" OR from Visual Basic".

C-Language

7. Discuss the basic structure of a C program in detail.

2 + 2 + 2 + 2 = 8

OR

Visual Basic

Discuss any eight form events in Visual Basic.

8

C-Language

8. Write a program that inputs a year and find whether it is a leap year or not. Using C - Language.

8

OR

Visual Basic

Write a program that inputs a year and find whether it is a leap year or not. Using Visual Basic.

8

C-Language

9. Define While Loop. Give its syntax and flow chart diagram.

Also explain its working using an example.

2 + 1 + 1 + 4 = 8

OR

Visual Basic

Define While Wend Loop. Write its syntax and explain working using flow chart diagram.

8

SECTION-III (PRACTICAL)

Attempt any three parts of the questions.

3 × 5 = 15

10. (i) Write procedure to extract data from multiple tables in a query.

(ii) Write a procedure to create a primary key in a table.

(iii) Write a program that inputs length and width of a rectangle and find its area in C - Language or Visual Basic.

(iv) Write a program that generates the odd numbers starting from 1 to 19 in C - Language or Visual Basic.

(v) Write a program that uses a function to calculate the circumference of a circle and returns the value to main function in C - Language or Visual Basic. Formula is $C = 2\pi R$

2016 (A)

Roll No: _____

**COMPUTER SCIENCE
PAPER-II****INTERMEDIATE PART-II (12th CLASS)**

TIME ALLOWED: 3.10 Hours

MAXIMUM MARKS: 83

SUBJECTIVENOTE: - 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").

MS-ACCESS**2. Attempt any Eight parts.**

8 x 2 = 16

- (i) Define Field. (ii) What is Secondary Key?
 (iii) Who is End User?
 (iv) Differentiate between Fixed Length Field and Variable Length Field.
 (v) List any two activities involved in Data Analysis. (vi) What is Attribute? Give an example.
 (vii) Give two examples of Entity. (viii) What is Transitive Dependency?
 (ix) List any two parts of Application Window in MS-Access.
 (x) Define Integrated Development Environment.
 (xi) What is the use of Input Mask? (xii) List any two methods of creating sub-forms.

3. Attempt any Eight parts.

8 x 2 = 16

C-Language

- (i) Write at least two differences between Source Code and Object Code.
 (ii) Define Runtime Error. (iii) Who is a Programmer?
 (iv) List two types of Identifiers in C. (v) How are Characters Stored?
 (vi) Find the errors in the following code:-

```
# include < std10.h >
void main (void)
{
    int x, y, z
    z = x + y + z
}
```

 (vii) What is the value of Y after the following code executes?

```
float y = 3.4 + sqrt (25.0);
```

 (viii) List out four types of format specifier. (ix) What is the control string in printf function?
 (x) Trace the errors in the following code:-

```
# include (std10.h )
void main (void);
{
    x = 5;
    y = 6;
    z = x + y;
    printf ("%d", z);
}
```

 (xi) What is the output of the following code?

```
Printf("I\n Love\n programming");
```

 (xii) Find the output of following code segment:-

```
int x = 10;
int y = 5;
int z = x + y;
printf ("%d %d %d", x, y, z);
```

VISUAL BASIC

- (i) What is Message Box?
 (ii) Write a code that should print the numbers from 2 to 100 only even numbers.
 (iii) Define Tool Tip. (iv) What is Option Button?
 (v) Identify and correct in following statement:-

```
Dim False as Integer
x + y = z
```

 (vi) What does MDI mean? (vii) What do you mean by Selection Sort?
 (viii) Define Array. (ix) State the purpose of Object Code.
 (x) Define Toolbar in VB. (xi) What is form Layout Window?
 (xii) List two events of OLE control.

4. Attempt any six parts.

6 x 2 = 12

C-Language

- (i) What is Control Structure?
 (ii) Write the syntax of "if - else" statement.

P.T.O