

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.**  
**OBJECTIVE KEY FOR INTERMEDIATE ..... II<sup>nd</sup> ANNUAL EXAMINATION, 2022**

(87)

Name of Subject: Computer Science P-II

| Q. Nos | Paper Code | Correct Answer         | Paper Code | Correct Answer         | Paper Code | Correct Answer         | Paper Code | Correct Answer         |
|--------|------------|------------------------|------------|------------------------|------------|------------------------|------------|------------------------|
|        | 4831       |                        | 4833       |                        | 4835       |                        | 4837       |                        |
| 1      | B          | Record                 | C, A       | Table, Report          | A          | Attribute              | A          | Field                  |
| 2      | D          | Primary key            | A          | Field                  | B          | Homonym                | B          | Record                 |
| 3      | A          | Attribute              | B          | Record                 | C, A       | Table, Report          | D          | Primary key            |
| 4      | B          | Homonym                | D          | Primary key            | A          | Field                  | A          | Attribute              |
| 5      | C, A       | Table, Report          | A          | Attribute              | B          | Record                 | B          | Homonym                |
| 6      | A          | Field                  | B          | Homonym                | D          | Primary key            | C, A       | Table, Report          |
| 7      | B          | identity & foreign key | A, C       | cycle, iteration       | B          | cycle, iteration       | A, B, C, D | cycle, iteration       |
| 8      | C          | Executing              | B          | Executing              | D          | Relation               | C          | Relation               |
| 9      | A, B, C, D | Project Explicit       | D          | WT Any                 | A, C       | cycle, iteration       | B          | cycle, iteration       |
| 10     | C          | Relation               | B          | identity & foreign key | B          | Executing              | D          | Relation               |
| 11     | B          | WT Any                 | C          | Executing              | D          | WT Any                 | A, C       | cycle, iteration       |
| 12     | D          | Relation               | A, B, C, D | Project Explicit       | B          | identity & foreign key | B          | Executing              |
| 13     | A, C       | cycle, iteration       | C          | Relation               | C          | Executing              | D          | WT Any                 |
| 14     | B          | Executing              | B          | WT Any                 | A, B, C, D | Project Explicit       | B          | identity & foreign key |
| 15     | D          | WT Any                 | D          | Relation               | C          | Relation               | C          | Executing              |
| 16     |            |                        |            |                        |            |                        |            |                        |
| 17     |            |                        |            |                        |            |                        |            |                        |
| 18     |            |                        |            |                        |            |                        |            |                        |
| 19     |            |                        |            |                        |            |                        |            |                        |
| 20     |            |                        |            |                        |            |                        |            |                        |

**2<sup>nd</sup> Annual** Key برقیات بابت صحیح سوالیہ پرچہ مارکنگ Key

ہم نے مضمون کمپیوٹر سائنس پرچہ P-II گروپ انٹرمیڈیٹ سالانہ امتحان 2022ء کا سوالیہ پرچہ انشائیہ و معروضی (Subjective & Objective) کو بنظر عمیق چیک کر لیا ہے یہ پرچہ Syllabus کے عین مطابق Set کیا گیا ہے۔ اس سوالیہ پرچہ میں کسی قسم کی کوئی غلطی نہ ہے۔ ہم نے سوالیہ پرچہ کا اردو اور انگریزی Version بھی چیک کر لیا ہے۔ یہ Version آپس میں مطابقت رکھتے ہیں۔ نیز اس پرچہ کی معروضی (MCQs) Key کی بابت تصدیق کی جاتی ہے کہ اس میں بھی کسی قسم کی کوئی غلطی نہ ہے۔ مزید یہ کہ ہم نے Key بنانے سے متعلق دفتر کی جانب سے تیار کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کر لیا ہے اور ان کی روشنی میں Key بنائی ہے۔ نیز سب ایگزامینرز کیلئے تفصیلی مارکنگ ہدایات / مارکنگ سکیم / Rubrics بھی تیار کر دی گئی ہیں۔

Prepared & Checked By:

Dated: 08-12-2022

| S.# | Name           | Designation     | Institution                     | Mobile No   | Signature      |
|-----|----------------|-----------------|---------------------------------|-------------|----------------|
| 1   | MUBASHAR ALI   | Principal       | Govt. Associate College Sahiwal | 0300-734054 | Mubashar Ali   |
| 2   | M. Imran Rana  | Lecturer        | Govt. College of Science        | 03004097553 | M. Imran Rana  |
| 3   | Rechecked by   |                 |                                 |             |                |
| 4   | M. IQBAL LATIF | Associate Prof. | Govt. Associate College         | 03336116418 | M. Iqbal Latif |
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08-12-2022 تاریخ

## COMPUTER SCIENCE

## PAPER-II

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 bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. 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 &amp; C-LANGUAGE" OR from "MS-ACCESS &amp; VISUAL BASIC")

MS-ACCESS

- (1) A collection of related fields is called: (A) Character (B) Record (C) File (D) Database
- (2) A table must have: (A) Sort key (B) Secondary key (C) Composite key (D) Primary key
- (3) Which of the following is used to describe the characteristics of an object? (A) Attribute (B) Relationship (C) Cardinality (D) Modality
- (4) Different attributes in two different tables have same name are called: (A) Synonym (B) Homonym (C) Acronym (D) Mutually exclusive
- (5) The output of a query is in the form of a: (A) Report (B) Form (C) Table (D) Query
- (6) In a relational database, a single piece of information is called: (A) Field (B) Record (C) Entity (D) Row

C-LANGUAGE

- (7) Debug is the process of: (A) Creating bugs in program (B) Identify and remove errors (C) Identifying errors (D) Removing errors
- (8) The process of running an executable file is known as: (A) Debugging (B) Compiling (C) Executing (D) Saving
- (9) Which of the following is a valid character constant? (A) "6" (B) "b" (C) a (D) =
- (10) Which of the following symbol is used for AND operator? (A) \ (B) ! (C) && (D) #
- (11) Which character use for the beginning of an escape sequence? (A) { (B) \ (C) // (D) /
- (12) All of the following are control statements except: (A) Sequential (B) Repetition (C) Selection (D) Relation
- (13) One execution of a loop is known as a(n): (A) Cycle (B) Duration (C) Iteration (D) Test
- (14) Formal arguments are also called: (A) Actual Arguments (B) Dummy Arguments (C) Original Arguments (D) Referenced Arguments
- (15) Which of the following mode open only an existing file for both reading and writing? (A) "w" (B) "a+" (C) "r+" (D) "w+"

ORVISUAL BASIC

- (7) A graphical representation of the steps involved in an algorithm is called: (A) Algorithm Diagram (B) Flowchart (C) Data Flow Diagram (D) Entity Relationship Diagram
- (8) Basic was introduced in: (A) The 1940s (B) The 1950s (C) The 1960s (D) The 1970s
- (9) A portion of VB IDE used to browse files of a program is called: (A) Project Explorer Window (B) Form Window (C) Form Layout Window (D) File Manager
- (10) Which form property will put text in the title bar of the form? (A) Title (B) Border Text (C) Caption (D) Header
- (11) Which method, loads a form in memory if not loaded already and displays it on the screen? (A) Load (B) Show (C) Unload (D) Look
- (12) How many bytes are occupied by decimal data type in Visual Basic? (A) 4 (B) 8 (C) 12 (D) 16
- (13) The statement that forces the declaration of all variables is: (A) Static (B) ReDim (C) Option Explicit (D) Dim
- (14) What does <> symbol mean when used in a decision structure? (A) Greater than but not equal to (B) Not equal to (C) Less than or equal to (D) Greater than or equal to
- (15) The increment in a For --- Next loop can be: (A) Positive (B) 0 (C) Negative (D) Any

## COMPUTER SCIENCE

## PAPER-II

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 bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. 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 &amp; C-LANGUAGE" OR from "MS-ACCESS &amp; VISUAL BASIC")

MS-ACCESS

- (1) The output of a query is in the form of a:
 

|            |          |           |           |
|------------|----------|-----------|-----------|
| (A) Report | (B) Form | (C) Table | (D) Query |
|------------|----------|-----------|-----------|
- (2) In a relational database, a single piece of information is called:
 

|           |            |            |         |
|-----------|------------|------------|---------|
| (A) Field | (B) Record | (C) Entity | (D) Row |
|-----------|------------|------------|---------|
- (3) A collection of related fields is called:
 

|               |            |          |              |
|---------------|------------|----------|--------------|
| (A) Character | (B) Record | (C) File | (D) Database |
|---------------|------------|----------|--------------|
- (4) A table must have:
 

|              |                   |                   |                 |
|--------------|-------------------|-------------------|-----------------|
| (A) Sort key | (B) Secondary key | (C) Composite key | (D) Primary key |
|--------------|-------------------|-------------------|-----------------|
- (5) Which of the following is used to describe the characteristics of an object?
 

|               |                  |                 |              |
|---------------|------------------|-----------------|--------------|
| (A) Attribute | (B) Relationship | (C) Cardinality | (D) Modality |
|---------------|------------------|-----------------|--------------|
- (6) Different attributes in two different tables have same name are called:
 

|             |             |             |                        |
|-------------|-------------|-------------|------------------------|
| (A) Synonym | (B) Homonym | (C) Acronym | (D) Mutually exclusive |
|-------------|-------------|-------------|------------------------|

C-LANGUAGE

- (7) One execution of a loop is known as a(n):
 

|           |              |               |          |
|-----------|--------------|---------------|----------|
| (A) Cycle | (B) Duration | (C) Iteration | (D) Test |
|-----------|--------------|---------------|----------|
- (8) Formal arguments are also called:
 

|                      |                     |                        |                          |
|----------------------|---------------------|------------------------|--------------------------|
| (A) Actual Arguments | (B) Dummy Arguments | (C) Original Arguments | (D) Referenced Arguments |
|----------------------|---------------------|------------------------|--------------------------|
- (9) Which of the following mode open only an existing file for both reading and writing?
 

|         |           |           |           |
|---------|-----------|-----------|-----------|
| (A) "w" | (B) "a +" | (C) "r +" | (D) "w +" |
|---------|-----------|-----------|-----------|
- (10) Debug is the process of:
 

|                              |                                |                        |                     |
|------------------------------|--------------------------------|------------------------|---------------------|
| (A) Creating bugs in program | (B) Identify and remove errors | (C) Identifying errors | (D) Removing errors |
|------------------------------|--------------------------------|------------------------|---------------------|
- (11) The process of running an executable file is known as:
 

|               |               |               |            |
|---------------|---------------|---------------|------------|
| (A) Debugging | (B) Compiling | (C) Executing | (D) Saving |
|---------------|---------------|---------------|------------|
- (12) Which of the following is a valid character constant?
 

|         |         |       |       |
|---------|---------|-------|-------|
| (A) "6" | (B) "5" | (C) a | (D) = |
|---------|---------|-------|-------|
- (13) Which of the following symbol is used for AND operator?
 

|       |       |        |       |
|-------|-------|--------|-------|
| (A) \ | (B) ! | (C) && | (D) # |
|-------|-------|--------|-------|
- (14) Which character use for the beginning of an escape sequence?
 

|       |       |        |       |
|-------|-------|--------|-------|
| (A) { | (B) \ | (C) // | (D) / |
|-------|-------|--------|-------|
- (15) All of the following are control statements except:
 

|                |                |               |              |
|----------------|----------------|---------------|--------------|
| (A) Sequential | (B) Repetition | (C) Selection | (D) Relation |
|----------------|----------------|---------------|--------------|

ORVISUAL BASIC

- (7) The statement that forces the declaration of all variables is:
 

|            |           |                     |         |
|------------|-----------|---------------------|---------|
| (A) Static | (B) ReDim | (C) Option Explicit | (D) Dim |
|------------|-----------|---------------------|---------|
- (8) What does <> symbol mean when used in a decision structure?
 

|                                   |                              |
|-----------------------------------|------------------------------|
| (A) Greater than but not equal to | (B) Not equal to             |
| (C) Less than or equal to         | (D) Greater than or equal to |
- (9) The increment in a For --- Next loop can be:
 

|              |       |              |         |
|--------------|-------|--------------|---------|
| (A) Positive | (B) 0 | (C) Negative | (D) Any |
|--------------|-------|--------------|---------|
- (10) A graphical representation of the steps involved in an algorithm is called:
 

|                       |               |                       |                                 |
|-----------------------|---------------|-----------------------|---------------------------------|
| (A) Algorithm Diagram | (B) Flowchart | (C) Data Flow Diagram | (D) Entity Relationship Diagram |
|-----------------------|---------------|-----------------------|---------------------------------|
- (11) Basic was introduced in:
 

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| (A) The 1940s | (B) The 1950s | (C) The 1960s | (D) The 1970s |
|---------------|---------------|---------------|---------------|
- (12) A portion of VB IDE used to browse files of a program is called:
 

|                             |                 |                        |                  |
|-----------------------------|-----------------|------------------------|------------------|
| (A) Project Explorer Window | (B) Form Window | (C) Form Layout Window | (D) File Manager |
|-----------------------------|-----------------|------------------------|------------------|
- (13) Which form property will put text in the title bar of the form?
 

|           |                 |             |            |
|-----------|-----------------|-------------|------------|
| (A) Title | (B) Border Text | (C) Caption | (D) Header |
|-----------|-----------------|-------------|------------|
- (14) Which method, loads a form in memory if not loaded already and displays it on the screen?
 

|          |          |            |          |
|----------|----------|------------|----------|
| (A) Load | (B) Show | (C) Unload | (D) Look |
|----------|----------|------------|----------|
- (15) How many bytes are occupied by decimal data type in Visual Basic?
 

|       |       |        |        |
|-------|-------|--------|--------|
| (A) 4 | (B) 8 | (C) 12 | (D) 16 |
|-------|-------|--------|--------|

## COMPUTER SCIENCE

## PAPER-II

TIME ALLOWED: 20 Minutes

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MAXIMUM MARKS: 15

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## COMPUTER SCIENCE

## PAPER-II

TIME ALLOWED: 20 Minutes

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MAXIMUM MARKS: 15

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ORVISUAL BASIC

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**INTERMEDIATE PART-II (12<sup>th</sup> CLASS)****COMPUTER SCIENCE PAPER-II**

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. Write short answers to any six parts.****MS-ACCESS****6 x 2 = 12**

- (i) Write responsibilities of Database Administrator.
- (ii) Differentiate between candidate key and primary key.
- (iii) List basic data distribution strategies.
- (iv) Define data modeling.
- (v) What is a transitive dependency?
- (vi) How Synonyms differ from Homonyms?
- (vii) Enlist major database objects.
- (viii) What is sub form?
- (ix) Define a command button.

**3. Write short answers to any six parts.****C-LANGUAGE****6 x 2 = 12**

- (i) Differentiate between Preprocessor Directive and the Compiler.
- (ii) What do you know C – Statement?
- (iii) Write the following statement in C Code:  
Score is between 50 and 60 inclusive.
- (iv) Find errors in the following code segment:

```
int x, y;
0 = x = y;
x = ++ +;
y = x;
print f ("Result = %d", "x + y");
```

- (v) Define relational operators.
- (vi) What do you mean by Compound Assignment Operator?
- (vii) Describe Format Specifier.
- (viii) Trace out the errors in the following code segment:

```
void main ( ) {
int A = 10
printf ("%d", a)
```

- (ix) Predict the output of the following code segment:

```
int x = 10;
int y = 20;
int temp;
temp = x;
x = y;
y = temp;
printf ("%d", x);
printf ("%d", y);
```

**OR****VISUAL BASIC****3. Write short answers to any six parts.****6 x 2 = 12**

- (i) How object program, source program and compiler are related?
- (ii) What is source code?
- (iii) Write the syntax of Mouse Up.
- (iv) Write the syntax of Input Box.
- (v) Identify and correct the error.  
Dim false as integer  
x + y = z
- (vi) Give two examples of message box.
- (vii) Name and describe any four major parts of VB IDE.
- (viii) What is the difference between project file and form file?
- (ix) What is the Purpose of Name property of a control?

**P.T.O.**

**4. Write short answers to any six parts. C-LANGUAGE****6 x 2 = 12**

- (i) Define selection structure.
- (ii) Predict the output.  

```
int p = 3, q = 5;
if(p > q)
    printf ("%d", p);
else
    printf ("%d", q);
```
- (iii) Define sentinel value.
- (iv) Predict the output.  

```
int m;
for (m = 0; m < 10; m = m + 2)
    printf ("%d", m);
```
- (v) Convert the given program in while-loop.  

```
for (i = 3; i <= 9; i += 3 )
{
    printf ( "*(t*\\t*\\n");
}
```
- (vi) Define function header.
- (vii) What do you know about user-defined function?
- (viii) What is the life time of local variable?
- (ix) What is binary stream?

**OR VISUAL BASIC****4. Write short answers to any six parts.****6 x 2 = 12**

- (i) Define control structure.
- (ii) What is IF-then statement also write its syntax.
- (iii) Find the output of given code:  

```
a = 7
b = 3
if (a mod 3) = 1 then
    print a
```
- (iv) What is counter variable?
- (v) Differentiate between outer and inner loop.
- (vi) Find error from the given code:  

```
a = 10
while a > 9 then
    print a
```
- (vii) Write any two types of code blocks.
- (viii) Define global variable.
- (ix) What is standard code module?

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

5. What is File? Explain File types from usage point of view. 8
6. How would you explain Field Validation Rules, Input Masks, Default Value and Join. 8

**C-LANGUAGE NOTE: Attempt any two questions.**

7. Define Bug. Discuss different types of bugs. 8
8. Write a program that inputs a number from user and determines whether it is positive, negative or zero. 8
9. What is While loop? Write down syntax, flowchart and working of while loop with example. 8

**OR****VISUAL BASIC NOTE: Attempt any two questions.**

7. Define Bug. Discuss different types of bugs. 8
8. Write a program in VB that inputs a number from user and determines whether it is positive, negative or zero. 8
9. What is while wend loop? Write down syntax, flowchart and working of while wend loop with example. 8