

INTERMEDIATE PART-II (12th CLASS) (SPECIAL EXAMINATION)**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) Differentiate between master file and transaction file.
- (ii) Write down any two responsibilities of a database administrator.
- (iii) Define entity. Give an example.
- (iv) What do you mean by redundancy?
- (v) List any two advantages of reports.
- (vi) Name any two methods for creating tables in MS-Access.
- (vii) Define Filter.
- (viii) How is combo box used?
- (ix) List any two types of reports in MS-Access.

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

- (i) Define bug and debugging.
- (ii) List any three data types in C.
- (iii) What is the use of AND operator?
- (iv) Differentiate between Unary and Binary Operator.
- (v) Describe Format Specifier.
- (vi) How string values are printed in C – Language?
- (vii) Trace out errors from the following code:

```
Void main [ ]
{
    int x = 20;
    x + 4 = x;
    printf ("%d", n);
}
```

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

```
int a = 9;
a = a%4;
printf ( " % d", a );
```

- (ix) What is the output of the following code segment?

```
int x = 10, y = 20, z = 30;
x = x + y;
y = y + z;
z = x - y;
printf ( " Result = % d % d % d", x, y, z );
```

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

- (i) Write two disadvantages of Visual Programming.
- (ii) What is problem solving?
- (iii) List advantages of Algorithm.
- (iv) Write the benefits of managed code.
- (v) What is garbage collection?
- (vi) What happens when you hide a form?
- (vii) Define object and control.
- (viii) Name major parts of Visual studio IDE.
- (ix) What is the purpose of control naming conventions?

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

- (i) Define while statement.
- (ii) Write a note on goto statement.
- (iii) Define function header.
- (iv) Differentiate between local and global variable.
- (v) Write down types of functions.
- (vi) What is meant by text stream?
- (vii) Determine output of following code:

```
int x = 10;
int y = 20;
if (x > 20 && y > 20)
    printf("Hello");
else
    print("World");
```

- (viii) Determine output of following code:

```
int x = 10;
switch (x)
{
    case 5:
        printf("five is given");
    default:
        printf("other");
}
```

- (ix) Define strcpy () function in C – Language.

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

- (i) Define MDI form.
- (ii) Define toolbar in visual basic.
- (iii) How executable file is created in visual basic?
- (iv) Describe shortly layout window.
- (v) Write down two properties of combo box.
- (vi) What is meant by option explicit?
- (vii) Differentiate between event and event handler.
- (viii) Define VbLeft Button constant in visual basic.
- (ix) How many ways to get input from user in visual basic?

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

- 5. What are the advantages & disadvantages of the DBMS? 4 + 4 = 8
- 6. What is functional dependency? Describe anomalies with respect to third Normal Form. 2+2+2+2 = 8

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

- 7. What is bug? Discuss briefly how many types of errors can occur in C – Language? 2+2+2+2 = 8
- 8. What is Switch Statement? Write its syntax. Explain its working with example. 2 + 2 + 4 = 8
- 9. Write a program that displays counting from 1 to 10 using while loop. 8

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

- 7. What is bug? Discuss briefly how many types of errors can occur in Visual basic? 8
- 8. What is select-case structure? Write its syntax. Explain its working with example. 2 + 2 + 4 = 8
- 9. Write a program that displays counting from 1 to 10 using while-wend loop. 8

INTERMEDIATE PART-II (12th CLASS) (SPECIAL EXAMINATION)

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

MS-ACCESS

- (1) A table must have:
(A) Secondary key (B) Primary key (C) Composite key (D) Sort key
- (2) In ERD Model, the relationship between two entities is represented by a:
(A) Diamond symbol (B) Rectangular box (C) Oval symbol (D) Line
- (3) The output of a query is in the form of a:
(A) Table (B) Form (C) Report (D) Query
- (4) A query that involves two tables is called:
(A) Select (B) Cross Table (C) Update (D) Insert
- (5) The layout of report are:
(A) 3 (B) 2 (C) 4 (D) 5
- (6) Which Auto Form displays one record at a time?
(A) Tabular (B) Columnar (C) Datasheet (D) Justified

C-LANGUAGE

- (7) Void occupy how many bytes in memory?
(A) Zero (B) One (C) Two (D) Four
- (8) $a+=b$ is equivalent to:
(A) $b+=a$ (B) $a=+b$ (C) $a=a+b$ (D) $b=b+a$
- (9) The symbol '=', represents:
(A) Comparison operator (B) Assignment operator (C) Equal-to-operator (D) Balance operator
- (10) The function getch () is a part of:
(A) Stdio.h (B) String.h (C) Math.h (D) Conio.h
- (11) The format specifier %u is used for:
(A) Integer (B) Unsigned short (C) unsigned float (D) unsigned long int
- (12) Conditional operator is an alternative of:
(A) if (B) if-else (C) nested if (D) Case
- (13) There are three expressions in for loop statement separated by:
(A) Comma (B) Colon (C) Semicolon (D) Fullstop
- (14) The printf is a:
(A) Built-in-function (B) Keyword (C) User-defined-function (D) Local function
- (15) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache

OR**VISUAL BASIC**

- (7) We can hide a tool window automatically with a(n):
(A) Select Auto Hide (B) Close Button (C) End (D) break
- (8) Which method loads a form in memory and displays it on screen?
(A) Load (B) Unload (C) Show (D) Lock
- (9) The method characterize an object's:
(A) Style (B) Behavior (C) Value (D) Appearance
- (10) Data can be entered in a control only when it has:
(A) Mask (B) Control (C) Charged (D) Focus
- (11) The data type that can handle decimal places is:
(A) Short (B) Double (C) Integer (D) Boolean
- (12) The option that forces the declaration of all variables is:
(A) Implicit (B) Option explicit (C) Shell (D) Forced
- (13) The Modulus operator is used for:
(A) Multiplication (B) Division (C) Remainder (D) Range
- (14) A comment is preceded by:
(A) Apostrophe (B) Parenthesis (C) Comma (D) Semicolon
- (15) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache

INTERMEDIATE PART-II (12th CLASS)
(SPECIAL EXAMINATION)

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

MS-ACCESS

- (1) A query that involves two tables is called:
(A) Select (B) Cross Table (C) Update (D) Insert
- (2) The layout of report are:
(A) 3 (B) 2 (C) 4 (D) 5
- (3) Which Auto Form displays one record at a time?
(A) Tabular (B) Columnar (C) Datasheet (D) Justified
- (4) A table must have:
(A) Secondary key (B) Primary key (C) Composite key (D) Sort key
- (5) In ERD Model, the relationship between two entities is represented by a:
(A) Diamond symbol (B) Rectangular box (C) Oval symbol (D) Line
- (6) The output of a query is in the form of a:
(A) Table (B) Form (C) Report (D) Query

C-LANGUAGE

- (7) There are three expressions in for loop statement separated by:
(A) Comma (B) Colon (C) Semicolon (D) Fullstop
- (8) The printf is a:
(A) Built-in-function (B) Keyword (C) User-defined-function (D) Local function
- (9) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache
- (10) Void occupy how many bytes in memory?
(A) Zero (B) One (C) Two (D) Four
- (11) $a+=b$ is equivalent to:
(A) $b+=a$ (B) $a=+b$ (C) $a=a+b$ (D) $b=b+a$
- (12) The symbol '=', represents:
(A) Comparison operator (B) Assignment operator (C) Equal-to-operator (D) Balance operator
- (13) The function getch () is a part of:
(A) Stdio.h (B) String.h (C) Math.h (D) Conio.h
- (14) The format specifier %u is used for:
(A) Integer (B) Unsigned short (C) unsigned float (D) unsigned long int
- (15) Conditional operator is an alternative of:
(A) if (B) if-else (C) nested if (D) Case

OR**VISUAL BASIC**

- (7) The Modulus operator is used for:
(A) Multiplication (B) Division (C) Remainder (D) Range
- (8) A comment is preceded by:
(A) Apostrophe (B) Parenthesis (C) Comma (D) Semicolon
- (9) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache
- (10) We can hide a tool window automatically with a(n):
(A) Select Auto Hide (B) Close Button (C) End (D) break
- (11) Which method loads a form in memory and displays it on screen?
(A) Load (B) Unload (C) Show (D) Lock
- (12) The method characterize an object's:
(A) Style (B) Behavior (C) Value (D) Appearance
- (13) Data can be entered in a control only when it has:
(A) Mask (B) Control (C) Charged (D) Focus
- (14) The data type that can handle decimal places is:
(A) Short (B) Double (C) Integer (D) Boolean
- (15) The option that forces the declaration of all variables is:
(A) Implicit (B) Option explicit (C) Shell (D) Forced

INTERMEDIATE PART-II (12th CLASS)
(SPECIAL EXAMINATION)

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

MS-ACCESS

- (1) The output of a query is in the form of a:
(A) Table (B) Form (C) Report (D) Query
- (2) A query that involves two tables is called:
(A) Select (B) Cross Table (C) Update (D) Insert
- (3) The layout of report are:
(A) 3 (B) 2 (C) 4 (D) 5
- (4) Which Auto Form displays one record at a time?
(A) Tabular (B) Columnar (C) Datasheet (D) Justified
- (5) A table must have:
(A) Secondary key (B) Primary key (C) Composite key (D) Sort key
- (6) In ERD Model, the relationship between two entities is represented by a:
(A) Diamond symbol (B) Rectangular box (C) Oval symbol (D) Line

C-LANGUAGE

- (7) The format specifier %u is used for:
(A) Integer (B) Unsigned short (C) unsigned float (D) unsigned long int
- (8) Conditional operator is an alternative of:
(A) if (B) if-else (C) nested if (D) Case
- (9) There are three expressions in for loop statement separated by:
(A) Comma (B) Colon (C) Semicolon (D) Fullstop
- (10) The printf is a:
(A) Built-in-function (B) Keyword (C) User-defined-function (D) Local function
- (11) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache
- (12) Void occupy how many bytes in memory?
(A) Zero (B) One (C) Two (D) Four
- (13) $a+=b$ is equivalent to:
(A) $b+=a$ (B) $a=+b$ (C) $a=a+b$ (D) $b=b+a$
- (14) The symbol '=', represents:
(A) Comparison operator (B) Assignment operator (C) Equal-to-operator (D) Balance operator
- (15) The function getch () is a part of:
(A) Stdio.h (B) String.h (C) Math.h (D) Conio.h

OR**VISUAL BASIC**

- (7) The data type that can handle decimal places is:
(A) Short (B) Double (C) Integer (D) Boolean
- (8) The option that forces the declaration of all variables is:
(A) Implicit (B) Option explicit (C) Shell (D) Forced
- (9) The Modulus operator is used for:
(A) Multiplication (B) Division (C) Remainder (D) Range
- (10) A comment is preceded by:
(A) Apostrophe (B) Parenthesis (C) Comma (D) Semicolon
- (11) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache
- (12) We can hide a tool window automatically with a(n):
(A) Select Auto Hide (B) Close Button (C) End (D) break
- (13) Which method loads a form in memory and displays it on screen?
(A) Load (B) Unload (C) Show (D) Lock
- (14) The method characterize an object's:
(A) Style (B) Behavior (C) Value (D) Appearance
- (15) Data can be entered in a control only when it has:
(A) Mask (B) Control (C) Charged (D) Focus

INTERMEDIATE PART-II (12th CLASS)

(SPECIAL EXAMINATION)

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

MS-ACCESS

- (1) In ERD Model, the relationship between two entities is represented by a:
(A) Diamond symbol (B) Rectangular box (C) Oval symbol (D) Line
- (2) The output of a query is in the form of a:
(A) Table (B) Form (C) Report (D) Query
- (3) A query that involves two tables is called:
(A) Select (B) Cross Table (C) Update (D) Insert
- (4) The layout of report are:
(A) 3 (B) 2 (C) 4 (D) 5
- (5) Which Auto Form displays one record at a time?
(A) Tabular (B) Columnar (C) Datasheet (D) Justified
- (6) A table must have:
(A) Secondary key (B) Primary key (C) Composite key (D) Sort key

C-LANGUAGE

- (7) The symbol '=', represents:
(A) Comparison operator (B) Assignment operator (C) Equal-to-operator (D) Balance operator
- (8) The function getch () is a part of:
(A) Stdio.h (B) String.h (C) Math.h (D) Conio.h
- (9) The format specifier %u is used for:
(A) Integer (B) Unsigned short (C) unsigned float (D) unsigned long int
- (10) Conditional operator is an alternative of:
(A) if (B) if-else (C) nested if (D) Case
- (11) There are three expressions in for loop statement separated by:
(A) Comma (B) Colon (C) Semicolon (D) Fullstop
- (12) The printf is a:
(A) Built-in-function (B) Keyword (C) User-defined-function (D) Local function
- (13) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache
- (14) Void occupy how many bytes in memory?
(A) Zero (B) One (C) Two (D) Four
- (15) $a += b$ is equivalent to:
(A) $b += a$ (B) $a = +b$ (C) $a = a + b$ (D) $b = b + a$

OR**VISUAL BASIC**

- (7) The method characterize an object's:
(A) Style (B) Behavior (C) Value (D) Appearance
- (8) Data can be entered in a control only when it has:
(A) Mask (B) Control (C) Charged (D) Focus
- (9) The data type that can handle decimal places is:
(A) Short (B) Double (C) Integer (D) Boolean
- (10) The option that forces the declaration of all variables is:
(A) Implicit (B) Option explicit (C) Shell (D) Forced
- (11) The Modulus operator is used for:
(A) Multiplication (B) Division (C) Remainder (D) Range
- (12) A comment is preceded by:
(A) Apostrophe (B) Parenthesis (C) Comma (D) Semicolon
- (13) A file is stored in:
(A) RAM (B) Hard Disk (C) ROM (D) Cache
- (14) We can hide a tool window automatically with a(n):
(A) Select Auto Hide (B) Close Button (C) End (D) break
- (15) Which method loads a form in memory and displays it on screen?
(A) Load (B) Unload (C) Show (D) Lock

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.
OBJECTIVE KEY FOR INTERMEDEAT SPECIAL PART-II EXAMINATION, 2020
 Name of Subject: Computer Science Session: Special Exam.

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

سرٹیفکیٹ بابت تصحیح سوالیہ پرچہ امارکنگ Key

ہم نے مضمون کمپیوٹر سائنس پرچہ 2nd year گروپ سکیم / انٹرمیڈیٹ اسپیشل امتحان 2020 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 اور Syllabus کے مطابق بھی ہیں۔ نیز اس پرچہ کی معروضی (MCQs) Key کی بابت بھی تصدیق کی جاتی ہے کہ اس میں بھی کسی قسم کی کوئی غلطی نہ ہے۔ MCQs کی "Key" کو دوبارہ بھی بغور چیک کر لیا گیا 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 ہدایات / مارکنگ سکیم / Rubrics بھی تیار کر دی گئی ہیں۔

Prepared & Checked By:

S.#	Name	Designation	Institution	Mobile No	Signature
1	Habib Muhammad Jibran	SST (IT)	Gov. Comprehensive H.S.S Multan	0304-7272642	[Signature]
2	Mobashar Ali	Principal	Govt. Degree College Saeed Siddiqi, Khanewal	0306-7340154	[Signature]
3					

ہم نے درج بالا سوالیہ پرچہ (انشائیہ + معروضی)، معروضی "Key" اور ہدایات کے حوالہ سے مکمل طور پر تسلی کر لی ہے۔ کسی قسم کی کوئی غلطی نہ ہے۔

Re-Checked By

S.#	Name	Designation	Institution	Mobile No	Signature
1	M. IMRAN	A/P	Govt. Multan Degree College Anwar	0301-7423032	[Signature]
2					
3					