

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.
OBJECTIVE KEY FOR INTERMEDIATE ANNUAL EXAMINATION, 2022

Name of Subject Computer Science Session: 2020-2022

(154)

A/22

24 06 22

Q.Nos	Paper Code 4831	Paper Code 4833	Paper Code 4835	Paper Code 4837
1	b	a	a	d
2	b	a, c	a	a
3	d	b	a, c	a
4	a	b	b	a, c
5	a	d	b	b
6	a, c	a	d	b
7	b	b	b	c
8	c	a	c	a
9	c	a	b	b
10	a	b	a	c
11	b	c	a	b
12	c	c	b	a
13	b	a	c	a
14	a	b	c	b
15	a	c	a	c
16				
17				
18				
19				
20				

سرٹیفکیٹ بابت صحیح سوالیہ پرچہ / مارکنگ Key

ہم نے مضمون کمپیوٹر سائنس پرچہ پارٹ I - گروپ - ایئر میڈیٹ سالانہ امتحان 2022ء کا سوالیہ پرچہ انشائیہ و معروضی (Subjective & Objective) کو بنظر عین 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: 28-06-2022

S.#	Name	Designation	Institution	Mobile No	Signature
1	M. IMRAN	AIP	Govt. Mulla Associate College Multan	03017423032	[Signature]
2	M. Imran Rafiq	Lec	Govt. College of Science Multan	03004097553	[Signature]
3	MUBASHAR ALT	Principal	Govt College Sarai Sidhu	0300-7340159	[Signature]

Re-Checked By - ہم نے درج بالا سوالیہ پرچہ (انشائیہ + معروضی) معروضی "Key" اور ہدایات کے حوالہ سے مکمل طور پر چیک کر لیا ہے۔ کسی قسم کی کوئی غلطی نہ ہے۔

1	Jaleel Haider	S.S	Govt. Hadrat ul Islam Hs	0344-7062674	[Signature]
2	ASRAR HUSSAIN	A.P.	Govt. Graduate College	0300-4060466	[Signature]

تاریخ

INTERMEDIATE PART-II (12th CLASS)

160

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) Describe Candidate and Alternate keys.
- (ii) What is Foreign Key?
- (iii) What is the purpose of Feasibility study?
- (iv) Write the major objective of Physical database design.
- (v) Define referential integrity.
- (vi) When is a relation in first Normal Form?
- (vii) Why form object of database is used?
- (viii) What is Datasheet Form?
- (ix) Write the main uses of Reports.

3. Write short answers to any six parts.

C-LANGUAGE

6 x 2 = 12

- (i) What do you mean by machine independence?
- (ii) Define include directive.
- (iii) What does it mean by "C is a case sensitive language"?
- (iv) Write down any two rules for naming variables in C.
- (v) Write C statement to declare integer variable X and assign value 8 to x in a single statement.
- (vi) Trace errors in the following:


```
char ch1 = a
char ch2 = b
(ch1 ≠ ch2)
```
- (vii) Differentiate between getch () and getche () function.
- (viii) Trace output


```
float a = -17.245 ;
printf ("%8.3f", a );
```
- (ix) Trace error from the following:


```
#include <stdio.h>
void main ( )
{
    int x = 5 ;
    10 + 5 = x ;
}
```

ORVISUAL BASIC

3. Write short answers to any six parts.

6 x 2 = 12

- (i) What is graphical user interface?
- (ii) Write four advantages of visual programming.
- (iii) What is expression in VB?
- (iv) How to add comments in VB?
- (v) Write VB statement to declare a constant.
- (vi) Trace errors in the following:


```
dim ch as string;
ch = Pakistan;
```
- (vii) What is use of timer control?
- (viii) Trace output


```
dim x as real = 8.3
print (x + 5.4 )
```
- (ix) Trace error in the following:


```
sub 7star ( )
redim x as int
end of sub.
```

4. Write short answers to any six parts. C-LANGUAGE

6 x 2 = 12

(i) What happens if break is missed in case blocks?

(ii) Predict the output of the following code:

```
int price = 10;
if (price != 10)
    price = 0;
else
    price * = 20;
printf ("%d", price);
```

(iii) Describe sentinel loop.

(iv) Trace the output of the following code:

```
int K;
for ( K = 0; K <= 5; K += 4)
    printf ("%d", K);
```

(v) Convert the following for loop into do-while loop. ✓

```
int K;
for ( K = 0; K <= 5; K += 4)
    printf ("%d", K);
```

(vi) Differentiate between formal parameter and actual parameter.

(vii) Describe function prototype.

(viii) How is a function activated?

(ix) What is a file pointer?

OR VISUAL BASIC**4. Write short answers to any six parts.**

6 x 2 = 12

(i) What is Select --- Case structure?

(ii) Define control structure.

(iii) Differentiate between TO and IS keywords in case form.

(iv) Describe logical operators.

(v) What is Counter Variable?

(vi) When should we use Do---Until---loop?

(vii) What step value is used if it is not specified in For---Next loop?

(viii) Differentiate between a Do---Loop and a For---Next loop.

(ix) Describe Intrinsic controls.

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

5. Define file. Describe the file types from usage point of view.

8

6. What is table/relation? Write any four characteristics of table in detail.

8

NOTE: Attempt any two questions. Either from "C-Language" OR "Visual Basic"**C-LANGUAGE**

7. What necessary steps taken to prepare a C program for execution? Explain with diagram. 2+2+2+2 = 8

8. Write a program that inputs three numbers and find the largest number. Using nested if. 8

9. What is for loop? Write its syntax. Explain its working with an example. 8

OR**VISUAL BASIC**

7. Differentiate between procedural and non-procedural language. 8

8. Write a program in Visual Basic that inputs three numbers and find the largest number using Nested if. 8

9. What is for---next loop? Write its syntax. Explain its working with an example. 8

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) SQL is a:
(A) Unstructured language (B) Structured language (C) Object oriented language (D) Software
- (2) INSERT command is used to insert:
(A) A new table (B) A new record (C) A view (D) Dependencies
- (3) Which of the following key does not hold uniqueness property?
(A) Candidate key (B) Foreign key (C) Primary key (D) Secondary key
- (4) Every relation must have a:
(A) Primary key (B) Candidate key (C) Secondary key (D) Composite key
- (5) Microsoft Access saves the database with the extension:
(A) .mdb (B) .msdb (C) .madb (D) None of these
- (6) How many table views are available in MS Access?
(A) 4 (B) 3 (C) 2 (D) 1

C-LANGUAGE

- (7) Debug is the process of:
(A) Creating bugs in program (B) Identifying and removing errors (C) Identifying errors (D) Removing errors
- (8) Preprocessor directives are commands for:
(A) Microprocessor (B) Language processor (C) C preprocessor (D) Loader
- (9) Which of the following operator has lowest precedence?
(A) ! (B) + (C) = (D) ==
- (10) Variables are created in:
(A) RAM (B) ROM (C) Hard Disk (D) Cache
- (11) getch () is a part of:
(A) Stdio (B) Conio (C) math (D) All these
- (12) The case block ends with:
(A) End select (B) End case (C) break (D) Case else
- (13) Which of the following operator is used after label in goto statement?
(A) Comma (B) Colon (C) Semi colon (D) dot
- (14) Global variables are created in:
(A) RAM (B) ROM (C) Hard disk (D) Cache
- (15) An array subscript should be:
(A) int (B) float (C) double (D) an array

OR

VISUAL BASIC

- (7) Which of the following is example of windows dialog?
(A) Forecolor (B) Color (C) Disable (D) Dialog
- (8) Which method is used to delete an item from list box?
(A) Add Item (B) Delete Item (C) Remove Item (D) Clear Item
- (9) Which of the following is not a control?
(A) Label (B) Button (C) Menu (D) Textbox
- (10) Which of the following method is used to display message?
(A) MsgBox (B) Message (C) Msg (D) Display
- (11) Shortcut key for adding menu in form is:
(A) Ctrl + A (B) Ctrl + E (C) Ctrl + Z (D) Ctrl + F
- (12) The default message box style is:
(A) Yes No (B) Yes No Cancel (C) Ok only (D) Retry Cancel
- (13) In the statement lblName.Text, lblName is:
(A) Property (B) Control (C) Method (D) Event
- (14) Methods characterize an object's:
(A) Behavior (B) Style (C) Value (D) Appearance
- (15) Which of the following keyword is used for variable declaration in VB?
(A) Dim (B) Declare (C) Create (D) Store

COMPUTER SCIENCE

PAPER-II

TIME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 15

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COMPUTER SCIENCE**PAPER-II**

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OR**VISUAL BASIC**

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