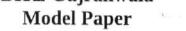
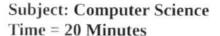


BISE Gujranwala





Inter Part-II Annual 2024 Marks = 15

OBJECTIVE

Q#1: Choose one of the multiple options that is correct.

(MS-ACCESS)

i.	Which	of the	following	model	is more	flexible:
----	-------	--------	-----------	-------	---------	-----------

- a) Network data model
- b) Hierarchical data model
- c) Relational data model
- d) Object data model
- ii. A table must have
 - a) Primary key
- b) Secondary key
- c) Composite key
- d) Sort key

iii. In ERD model, the relationship between two entities is represented by a(n):

- a) Diamond symbol
- b) Rectangular box
- c) Oval symbol
- d) Line
- iv. In 3NF, a non-key attribute must not depend on a(n):
 - a) non-key attribute
- b) key attribute
- c) composite key
- d) sort key
- v. Which of the following object of database is used to retrieve data from database?
 - a) Queries
- b) Forms
- c) Reports
- d) Tables

vi. To find four character name starts with H, the criteria is specified as:

a) H*4

b) H?4

c) H????

d) H####

(C-LANGUAGE)

vii. .exe file is produced by:

- a) Compiler
- b) Interpreter

- c) Linker
- d) Loader

viii. a += b is equivalent to:

a) b += a

- b) a = +b
- c) a = a + b
- d) b = b + b

ix. The valid equivalent C statement of area = m^2 :

a) $\pi \times r^2$

- b) $\pi * r^2$
- c) $\pi * r \wedge 2$
- d) $\pi * r * r$

x. Which of the following in NOT a control structure?

- a) Sequence
- b) Selection
- c) Repetition
- d) Database

ć	In which loop, semicolon(;) in the semicolon (;) in the semicolon (;) do-while loop	must be placed at end of its syntax? b) while loop d) for-each				
ć	Memory is allocated to a local declaration a) definition	al variable at the time of its: b) destruction d) first reference				
xiii.	 xiii. Which of the following is true about a function call? a) Stops the execution of the program b) Transfer control to the called function c) Transfer control to the main function d) Resumes the execution of the program 					
â	On successfully closing a fil a) NULL c) 1 (one)	e, the fclose() returns: b) 0 (zero) d) FILE pointer				
ä	Which of the following mode a) "w" c) "r+"	e open only an existing file for both reading and writing? b) "w+" d) "a+"				
(VISU	AL BASIC)					
a	dentify invalid variable nam n) _num c) 01_num	b) Int d) num_01				
viii.	a <> b is equivalent to: a) a > b c) NOT(a = b)	b) a < b d) a < b AND a > b				
ix.	The valid equivalent VB state a) π x r ² c) π * r ^ 2	ement of area = πr²: b) 3.14 * r² d) 3.14 * r * r				
x. /	All of the followings are exam a) Label c) TextBox	mples of controls EXCEPT: b) Button d) Caption				
ä	n which loop body run at lean) FOR NEXT 2) DO LOOP WHILE	ast once? b) WHILE WEND d) DO UNTIL LOOP				
ê	Which of the following funct a) Val b) IntT c) Str d) Strii					
xiii.	Which of the following is to a) Stops the execution of the b) Transfer control to the control to the manner of the execution	ne program alled function nain function				

```
xiv. Which event is not related to Label control?
       a) Click
                                   b) Load
       c) DblClick
                                   d) Change
   xv. The Stretch property is related to control:
       a) Picture
                                          b) Image
       c) Form
                                          d) Button
                                          SUBJECTIVE
                                             Section-I
MS-ACCESS
                                                                                                (12)
2. Write short answers to any SIX (6) questions:
i. Differentiate between data and information.
ii. Define Primary Key.
iii. What is Cardinality?
iv. Describe functional dependency.
v. Identify candidate keys and select primary key for relation: EMPLOYEE (ID, NAME, CNIC )
vi. What is redundancy?
vii. Write any two data types in MS Access.
viii. Define wildcards.
ix. What is the difference between list box and combo box.
(C-LANGUAGE)
3. Write short answers to any SIX (6) questions:
                                                                                                (12)
i. What is an object code?
ii. Name two pre-processor directives.
iii. How does a variable declare? Give an example
iv. What is an arithmetic underflow?
v. Differentiate between unary and binary operators.
vi. Re-write the following code by using conditional operator:
   if (x > 5)
       y=3;
   else
       y=4;
vii. Find any two errors:
       int x;
       scanf("%d", x);
       if (x\%2=0)
           printf("Pakistan"),
viii. Trace the output:
     int num=10;
     num *= 5;
     printf("%d", num);
     Find the output of the following code segment:
     int x = 3, y, z;
     y = x = 10;
     z = x < 10;
     printf ("x = %d y = %d z = %d", x, y, z);
```

OR

```
(VISUAL BASIC)
```

- 3. Write short answers to any SIX (6) questions:
- i. What is object code?
- ii. Define algorithm
- iii. How a variable is declared in VB? Give an example
- iv. What is arithmetic underflow?
- v. Differentiate between unary and binary operators
- vi. What is integrated development environment?
- vii. Find any two errors

Public Sub Message_Click()
printf "Welcome to Islamabad"

End Subroutine

viii. Define properties window in VB.

ix. Write down the general syntax of InputBox() function.

(C-LANGUAGE)

- 4. Write short answers to any SIX (6) questions:
- i. Define Format specifier.
- ii. List the names of two functions used for character input.
- iii. What is logical AND operator?
- iv. Find any two errors:

```
int x = 2.5;
switch(x){
    case x < 5:
    case 2.5:
}
```

v. Predict the output:

```
for (i=1; i<= 20; i+=2)
printf("%d", i);
```

- vi. Give an example such that where you prefer to use do-while loop not while loop?
- vii. Re-write the following code by using do-while loop

```
for( i=10 ; i>=0 ; i-=2)
printf("Pakistan Zindabad");
```

viii. Write down a function header statement, that accepts one integer and other decimal point value.

ix. How to declare a pointer variable?

OR

(VISUAL BASIC)

- 4. Write short answers to any SIX (6) questions:
- i. What are control statements?
- ii. Draw the flowchart of if-then statements
- iii. How a select case help you in coding?
- iv. Predict the output:

```
For X=0 to 20 Step 4
print X
Next
```

	Write is the output of the following code segment: Dim Marks As Integer = 30 If Marks > 40 Then MsgBox "Pass"				
	Else				
	MsgBox "Fail"				
	End If				
	Find any two errors: Dim N As Integer = 1 While N <= 5 Do Print "Hello Friend"				
	N++ Wend				
	Re-write the following code by using do-until-loop Dim N As Integer				
	For N = 1 To 10 Step 2 Print "Pakistan Zindabad" Next				
viii.	. What is infinite loop?				
	Differentiate between DOLOOPWHILE and DOUNTIL loop ?				
	Section-II				
(M	S-ACCESS)				
	te: Attempt any ONE (1) question.				
	Define ER-Diagram. Explain ER-Diagram with the help of an example.	(8)			
ö. L	Discuss different types of queries in database.	(8)			
10	Section-III				
	LANGUAGE) te: Attempt any TWO (2) questions.				
7. V	Write a C-Language program that input ages of three persons and display who is youngest? Vrite a C-Language program which prints the following pattern by using loop:	(8) (8)			
	3 5				
	5 7 9				
	7 9 11 13	(0)			
9. I	low is a function call made in a C-Program ? Discuss with an example	(8)			
	OR				
(VI	SUAL BASIC)				
	te: Attempt any TWO (2) questions.	(8)			
7. Write a Visual Basic program that input ages of three persons and display who is youngest?					
8. V	Write a Visual Basic program which prints the following pattern by using loop:	(8)			
	3 5				
	5 7 9				
	7 9 11 13				
9. I	How is a function call made in a C-Program ? Discuss with an example	(8)			