(D) listbox

(D) program

(D) label

(D) end sub

15. The code that is used in a sub procedure to stop execution of a program is:

(A) exit

(B) halt

(C) end

(B) window

(B) object code

A predefined screen that can be used as one of the building blocks of an application:

(C) label

(C) linked code

(C) property

(B) button

(A) textbox

(A) object

(A) source code

The output of compiler is:

PUTER SCIENCE Intermediate Part-II, Class 12th (1st A 424) Group: I Paper: II

ne: 2:10 Hours SUBJECTIVE Marks: 60

Note: Section I is compulsory.

SECTION – I MS-ACCESS



12

2. Write short answers to any SIX questions:

- i. Write down two advantages of database systems.
- ii. In which condition, you need to create composite key in a relation? Justify your answer.
- iii. What is foreign key?
- iv. Differentiate between relation and relationship.
- v. What is the main purpose of "Partitioned" data distribution strategy?
- vi. What is meant by "atomic values"?
- vii. What is database wizard?
- viii. Why are we using Input Masks?
- ix. Differentiate between ListBox and ComboBox.

C-LANGUAGE

12

12

3. Write short answers to any SIX questions:

- i. Define variable initialization.
- ii. Write down the following statement in C-language. "Age is between 18 years and 50 years"
- iii. Find any two errors

```
integer x, y,

z = x + y;

printf("z = %d", z):
```

iv. Find output

```
int a = 5, b = 10;
int z = a + b * 2;
printf("Result = %d", z);
```

- v. What is meant by & in scanf function?
- vi. Find any two errors
 void main ();
 {int a = 10;
 printf('%s', b);
 }
- vii. Write the output of the following code

printf("\n Amir \t\t 78 \t\t 425";); printf("\n Tahir \t\t 23 \t\t 388");

- ii. Describe the purpose of '\0' in strings.
- ix. What is a stream?

OR

VISUAL BASIC

3. Write short answers to any SIX questions:

- i. Define a method in VB.
- ii. What is the main advantage of using Visual Basic?
- iii. Describe form window.
- iv. Differentiate between menubar and toolbar.
- v. Write down any two forms events.

- vi. How is a picture removed at runtime?
- vii. What is ListIndex property?
- viii. Define Word Wrap in VB.
- ix. What is FileListBox control?

C-LANGUAGE

4. Write short answers to any SIX questions:

- i. Why break statement is used in a switch () structure?
- ii. Predict the output of the following code segment

```
int a = 10, b = 5;
if (a > b)
    printf("PUNJAB");
else
    printf("KPK");
```

- iii. Define nested loop. How does it work?
- iv. Convert the following code into while loop:

```
int i;
for (i = 1; i <=5; i++)
{
  printf("In Pakistan");
}</pre>
```

v. Predict the output of the following code segment

int n; for (n = 10; n>=1; n--) printf("%d",n);

- vi. Define function.
- vii. How is a function activated?
- viii. Write down the use of formal parameters.
- ix. Write down two importances of functions?

(Turn Over)

- 2 -OR

		ISUAL BA	ASIC	pakcity.org	
4. V	Vrite short answers to any SIX questions:			6	
1.	Define currency data type in VB.	vi.		he output:) MOD 3 = 0) Then	
ii.	Describe option explicit declaration in VB.		p	rint ("YES")	
iii.	Write down the syntax of input box.		else p End	rint ("NO")	
iv.	How selectCase help in coding?	vii.		AND operator is used in VB statement?	
v.	What is default property of command button?	viii.	What is	s sentinal value? lown the syntax of ForNext loop.	
		SECTION			
Not		MS-ACCI	<u>ESS</u>		
	te: Attempt any ONE question. Briefly describe four major components of datab	ase system	ns.		(8)
6.	Explain different types of Queries?				#// service
				20)	(8)
	SE	CTION -	OIII.		
Not	te: Attempt any TWO questions (either	from (C	Langu	age" or from "Visual Basic"):	
		LANGUA			
7.	What are errors? Discuss different types of error			in C-Language program.	/Q\
8.	Write a program in C-language that inputs a year	r and finds	whether	r it is a leap year or not, using if-else	(8)
_	structure.				(8)
9.	Write a program that displays first five odd num	bers and th	neir aver	age using while loop.	(8)
		OR			\
	VIS	SUAL BA	STC		
7.	Discuss any eight form objects in VB.		IDIC		/O\
8.	Write a program in Visual Basic that inputs a year.	ar and find	ls wheth	er it is a leap year or not, using	(8)
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11 I nenEise structure.				(8)
9.	Write a program in VB that displays first five od	ld numbers	s and the	eir average using While Wend loop.	(8)
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COMP	PUTER SCIENCE I	ntermediate Part-II , C	Class 12 th (1 st A 424- II)	I) Group: II	Paper: II
Time:	20 Minutes	OBJECTIVE	Code: 8836		Marks: 15
	You have four choices for ea				
	fill that circle in front of that circles will result in zero ma	-	rker or pen to fill the circle	s. Cutting or filling to	vo or more
		And the second of the second o	CCESS	pakcity.org	
1. 1.	The smallest meaningful	unit of data in a database			
	(A) field	(B) character	(C) record	(D) byte	
۷.	In relational database, a t (A) tuple	(B) relation	(C) schema	(D) file	
3.	Which of the following d	lata model is more flexible	le?		
	(A) Network data model(C) Hierarchical data mo		(B) Relational data model(D) Basic data model	lel	
4.	Default field size of text				
	(A) 20	(B) 30	(C) 40	(D) 50	
5.	In an ER diagram, a recta (A) entity	angle represents: (B) relationship	(C) attribute	(D) notion	
6.	The columns of a table co		(C) attribute	(D) action	
	(A) cell	(B) table	(C) record	(D) field	
7222		C-LANC	<u>GUAGE</u>		
7.	The case block ends with (A) End Select	-	(C) heroals	(D) Coss sles	
8.	Format Specifier %5.2f for	(B) End Case or value 4.12157, will pro	(C) break • oduce output:	(D) Case else	
	(A) □4.12 ●	(B) □□4.12	(C) 0004.12	(D) 🗆 5.121	
9.	If $a = 70$ what will be the (A) 5	output of the following each (B) 10			
10.	The name of header file i		(C) 15	(D) 20 •	
4 4	(A)[]	(B)()	(C) < >(D)	(D) << >>	
11.	In which loop the condition (A) for loop	on comes after the body of (B) while loop	(C) do — while loop —	(D) Infinite loop	
12.		• • • • • • • • • • • • • • • • • • • •	Willie loop	(D) minuc 100p	
12	(A) // •	(B)	(C) *\	(D) *	
13.	A file is stored in (A) RAM	(B) Hard Disk	(C) ROM	(D) Cache	
14.	Escape sequence used for			(D) Cucino	
15.	(A) \ a Local variables are also	Billy	(C) \ t	(D) \ r	
10.	(A) automatic variables		(C) global variables	(D) basic variables	3
		OR	Newtons Newtons		
		VISUAL	BASIC		
7.	A procedure or function t	timel a		~~\ 1 1 1 1	
8.	(A) property Methods characterize and	(B) control object's	(C) method	(D) label	
	(A) behaviour	(B) appearance	(C) value	(D) style	
9.			- Santa and the	(D) 1	
10.	(A) key down The diamond in a flowcha	` '	(C) keyboard	(D) key press	
	(A) input	(B) output	(C) condition	(D) progress	
11.	The function which is use (A) input box	ed to display a message (B) message	(C) machow	(D) tourt hour	
12.	Control, that is used to dis		(C) msgbox er input	(D) text box	
	(A) label	(B) textbox	(C) button	(D) property	
13.	Relational operators are u (A) add	sed to (B) compare	(C) multiply	(D) divida	
14.	Forms and controls are co		(C) multiply	(D) divide	
	(A) properties	(B) objects	(C) methods	(D) events	
13.	The default message box (A) OK only	style is (B) Yes No	(C) Yes No Cancel	(D) Retry Cancel	
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			J.	\+\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	2000

Intermediate Part-II, Class 12th (1st A 424) Group: II Paper: II COMPUTER SCIENCE Marks: 60 Time: 2:10 Hours SUBJECTIVE Note: Section I is compulsory. SECTION - I pakcity.org 12 MS-ACCESS 2. Write short answers to any SIX questions: Define centralized data distribution strategy. Define the term database. v. Discuss the advantage of variable length field What is synonym problem in database? VI. vii. over fixed length field. Briefly describe the role of table object in database. viii. What is the role of end user in database system? Define the concept of wildcards. 111. Briefly describe the concept of cardinality. Discuss the layout of datasheet form. ix. **C-LANGUAGE** Write short answers to any SIX questions: What is meant by initializing a variable? Why is ampersand (&) used in scanf function? Write the following statement in C-language code: ii. Find errors in the following code: vi. Temp between 15 and 32 inclusive #include <studio.h> iii. Write errors in the following code: viode main () $\{ \text{ int a} = 10;$ int m, y; m = 10.3;printf("%d", a); y = 5;printF("%d %d", m, y). vii. Predict output of the following code $int n \Rightarrow 512$, b; Predict the output of the following code: int x = 5, y = 10; b = n% 10;x = x + y; printf("%d \n %d", n, b); Define binary stream. y = y - x;printf("%d %d", x, y); Write usage of file pointer. 1X. OR VISUAL BASIC Write short answers to any SIX questions: 12 What are three basic controls used in Visual Basic? What is meant by Focus? ii. What is properties windows? Differentiate between Modal and Modeless Forms vii. iii. Write ways to exit from Visual Basic. What is the importance of visible property in VB Form? How object methods are called? 17. Write the method to close a VB Form. Define event procedures. v. **C-LANGUAGE** Write short answers to any SIX questions: 12 Give examples of two control structures. Give output of the following code: Predict the output of the code: for(int x=1; $x \le 5$; x++) char ch; printf("%d \n", x * x); ch = 'p';Give any two advantages of using a user V1. if(ch == 'p')defined function in C-language program. printf("pass"); What is the purpose of function call and V11. else function return? printf("fail"); Differentiate between local and global

variables.

function prototype?

ix.

What is the purpose of function header and

Differentiate between 'do - while' and 'while' loop.

Convert the following for() loop in to while ()

for(int i = 1; $i \le 5$; i++)

printf("%d \n", i);

IV.

- 2 -

® pakcity.org OR VISUAL BASIC 12 4. Write short answers to any SIX questions: Write output of following code segment: viii. Differentiate between explicit and implicit x = 0declaration of variable. while $x \le 15$ Write the syntax of input box. 11. print x + 2List four relational operators in VB. iii. x = x + 2What symbol is used for NOT operator in iv. Visual Basic? Give example. wend What is meant by iteration in a loop? When should a for – Next loop be used? ix. Write syntax of for - Next loop. VI. What is the purpose of counter variable? vii. SECTION - II MS-ACCESS Note: Attempt any ONE question. (8)Define Database model? Explain Hierarchical model along with example. Define view. What are two table views available in MSAccess? How can you switch between them? (8)SECTION - III Note: Attempt any TWO questions (either from "Calanguage" or from "Visual Basic"): C-LANGUAGE How would you create, edit, compile, link and execute a program in C-Language? Discuss briefly. (8)Write a program in C-language that inputs three numbers and finds the smallest number. 8. (8)Write a program in C-language that calculates the sum of the following series using loop: (8)1.0 1.5 3.0 3.5 10.0 OR VISUAL BASIC How would you create, edit, compile, link and execute a program in VB? Discuss briefly. (8)8. Write a program in Visual Basic that inputs three numbers and finds the smallest number. (8)Write a program in Visual Basic that calculates the sum of the following series using loop: 9. (8)3.5 1.0 1.5 2.0 2.5 3.0 10.0

322-1stA 424-18500

Roll No	Lahore Board-2024 (To be filled in by the candidate) (Academic Sessions 2020 – 2022 to 2022-202					
Q. PAPI	UTER SCIENCE 224-1 st Annual-(INTER PART – II) ER – II (Objective Type) GROUP – I PAPER CODE = 8833	ime Allowed: 20 Minutes laximum Marks: 15				
y -	Four possible answers A, B, C and D to each question are given. The choicall that circle in front of that question with Marker or Pen ink in the answer or more circles will result in zero mark in that question.	ce which you think is correct, wer-book. Cutting or filling				
(MS-	ACCESS)					
1-1	An example of a wildcard character is:					
	(A) & (B) # (C) * •	(D) "				
2	A functional dependency is a relationship between two:					
	(A) Attributes (B) Entities (C) Rows	(D) Relations				
3	A row of a relation is also called:					
	(A) Attribute (B) Entity (C) Tuple	(D) Field				
4	All the hardware costs are considered during:					
	(A) Project planning (B) Requirement analysis					
	(C) Data analysis (D) Feasibility study					
5	The most commonly used database model in current database dev	elopment is:				
	(A) Hierarchical (B) Network (C) Object-oriented	(D) Relational				
6	Each set of related items in a table is called:					
	(A) Form (B) Record (C) Field	(D) Query				
C-Lang	C-Language OR Visual Basic	pakcity.org				
7		3				
,	Format specifier % 4.2 f for value .78962; will produce output :					
	(A) 0.78 (B) DD.78 (C) DDD.78	(D) 0.7896				
8	In which loop, statement terminator is part of its syntax:					
	(A) for (B) do-while (C) while	(D) nested loop				
9	If $x = 2$ and $y = 3$, what will the output of the following expressi $x \le y$, $x : y$;	on:				
	$(A) 2 \qquad (B) 3 \qquad (C) 4$	(T)\ 5				
10	Another name for built-in function is:	(D) 3				
	(A) User-defined function (B) Library function					
	Pakcity.org					
11	(C) Custom made function (D) Customized function The total number of keywords in C is:					
		(T)\ 20				
12	(A) 32 (B) 34 (C) 36 The following function is used to copy a string to an array of char	(D) 38				
	/ / \ ~ \ ~					
13	(A) Strepy (B) Strpcy (C) Strnepy Following format specifier used for string	(D) Copy				
	(A) % f (B) % c (C) % d	(D) %s				
14	Another term for a computer making a decision is:	(D) /03				
	(A) Sequence (B) Selection (C) Repetition	(D) Iteration				
15	The process of identifying and removing errors in program is call					

(C) Updating

(D) Modifying

(A) Debugging (B) Fixing

Lahore Board-2024

(2)

(Visual Basic)

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isplaying it on screen:	

1. 7	Statement that initializes and loads a form in memory without displaying it on screen:							
	(A) Load (B) Unload	(C) Hide	(D) Remove					
8	In Visual Basic, which keyword indicates the	starting point of a decisi	ion structure:					
	(A) then (B) if	(C) start	(D) else					
9	The MOD operator is used for:							
	(A) Integer remainder (B) Exponentiation	(C) Multiplication	(D) Division					
10	Which structure is an example of multiple bran	nches from single expre	ssion:					
	(A) If Then (B) Select Case							
	(C) For Next (D) If Then	- Else						
11	All of the following are examples of control ex	xcept :						
	(A) Property (B) Label	(C) Text box	(D) Button					
12	If number of iterations are not known in advar	the suitable progran	nming structure is:					
		Until						
	(C) For Each Next (D) For While	The state of the s						
13	In Visual Basic, a form is another name for a ((n):						
	(A) Object Property	(C) Label	(D) Window					
14	How many bytes are occupied by long data ty	pe in Visual Basic:						
	(A) 4 (B) 8	(C) 12	(D) 16					
15	The rectangle symbol in a flow chart indicates							
	(A) Process (B) Condition	(C) Input	(D) Output					

189-224-1-(Objective Type)-725° (8833)

Lahore Board-2024 (To be filled in by the candidate) (Academic Sessions 2020-2022 to 2022-2024) Roll No 224 –1st Annual-(INTER PART – II) Time Allowed: 2.10 hours COMPUTER SCIENCE Maximum Marks: 60 GROUP - I PAPER – II (Essay Type) SECTION - I (MS-ACCESS) 12 2. Write short answers to any SIX (6) questions: Define file or dataset. Discuss the role of fixed length field. Briefly describe one-to-one relationship. What are the responsibilities of DBA? What are the anomalies? Define hybrid data distribution strategy. (vi) Enlist four different layouts of form. (viii) Define design view. Briefly describe the role of queries in MS-Access. C-Language 3. Write short answers to any SIX (6) questions: 12 Define keyword with example. What is control string in printf function? Predict the output of the following code: Write following statement in C Language code: (iv) Speed not greater than 60. int m = 15, n = 4; printf ("%d %d", m%n, n% m); (vi) Find errors in the following code: Write errors in the following code: Void main (); Float avg; printf ("Enter a number:"); float $n_1 = 4.5$, $n_2 = 7.2$ scanf ("% f", avg); printf ("% f /t % f", n₁, n₂) (vii) Write name of any four file opening modes. Define stream. (V111) (ix) Predict output of the following code: printf ("Hello \n Pakistan \n"); printf ("123 \t Over!"); OR (Visual Basic) 3. Write short answers to any SIX (6) questions: 12 Why Visual Basic is called event-driven language? (ii) Write the operating modes of VB? (iv) What is meant by object methods? What is project explorer window? (iii) (vi) Enlist four form events. How can be changed the focus of a control? (vii) How would you define predefined properties values? (viii) How are properties assigned at Runtime? (ix) Differentiate string properties values and Boolean values. C-Language 4. Write short answers to any SIX (6) questions: Differentiate for () loop and while () loop. Write the syntax of nested if statement. Convert the following while () loop into (iii) Predict the output of the following (iv)code segment and draw a flow chart: for () loop: int i = 5; char g = 'M';while (i <= 10)if (g = = 'M')printf ("Male"); printf (" % d \n ", i); else printf ("Female"); (v) Predict the output of the following code segment: int x = 1; while (x++<=5)printf ("%d\n", x); Write two important points to use functions in C-language program. Repakcity.org What are two types of function arguments? (vii) Differentiate scope of a local and global variable. (viii)

OR

(ix)

void counter (void);

What is the purpose of void used in the following function declaration;

12

(Visual Basic)

4.	Write short answers to any SIX (6) questions:	13
	(i) What is the purpose of 'val' function?	
	(ii) Why it is important to declare a variable before you use it?	
1	(iii) Write the purpose of input box and text box.	
	(iv) Define the control structure.	
	(v) Differentiae do-until-loop and do-while-loop.	
	(vi) Write the syntax of do-until-loop.	
((vii) What is sentinel value in conditional loop?	
()	viii) Differentiate pre-test and post-test loop.	
`	(ix) Give output of the following code segment:	
	sum = 0	
	while $i < = 5$	
	print i	
	sum = sum + i	
	i = i + 1	
	WEND	
	SECTION – II	
	(MS ACCESS)	
No	te: Attempt any ONE question.	
	What is normalization? Explain first normal form.	8
<i>5</i> .	Explain any four data types available in MS-Access.	
0.	SECTION – III	
	te: Attempt any TWO descriptive answers (either from Language" or from	
No	te: Attempt any I wo descriptive answers (entire Hollage Stanguage of the following questions.	
	(C - Language)	
7.	Briefly describe characteristics of high level programming language.	
8.	Write a program in C-language that inputs a character and displays whether it is	
2-2	vowel or consonant.	
9.		
	Number Square Root	
	$\frac{1}{2}$ $\frac{1.00}{1.41}$	
	1.41 1.72	
	2.00	
	2.00	
	pakcity.org	
	OR	
	(Visual Basic)	
7.	Briefly describe characteristics of high level programming language.	
8.	Write a program in Visual Basic that inputs a character and displays whether it is	
0.	vowel or consonant.	
9.	1 C 11 austral arging 100n.	
,.	Number Square Root	
	0.00	
	1.00	
	2	
	1.73 pakcity.org	
	2.00 See Partity. Org 388	
	5	

Validation

(B) \ b

In for statement, the expression is executed only once:

Test

14

15

Escape sequence used to beep from speaker in C-Language is:

(D)

Condition

Initialization

Lahore Board-2024

(2)

(Visual Basic)

1. 7	Forms and controls are collectively recognized as:						
	(A) Events (B) Objects (C) Properties (D) Methods						
8	The Window that is used to establish initial property values for objects is:						
	(A) Code Window (B) Property Window						
	(C) Form Window (D) Main Window						
9	Which operator is used for comparison:						
	(A) Unary (B) Binary (C) Arithmetic (D) Relational						
10	Which method removes a form from screen and from memory:						
	(A) Hide (B) Unload (C) Show (D) Load						
11	The statement that activates a function is:						
	(A) Function design (B) Function call						
	(C) Function definition (D) Function declaration						
12	Graphical representation of a program is called.						
	(A) Logical chart (B) Binary chart (C) Flow chart (D) E-R chart						
13	The programmer usually enter source code into computer using:						
	(A) Text editor (B) Compiler (C) Debugger (D) Linker						
14	The control structure used to repeat statements is:						
	(A) Loop (B) Selection (C) Sequential (D) Logical						
15	Image controls hold a graphics that is assigned to:						
	(A) Frame property (B) Text property						
	(C) Caption property (D) Picture property						

230-224-II-(Objective Type)-9275 (8836)

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Lahore Board-2024 (To be filled in by the candidate) (Academic Sessions 2020–2022 to 2022-2024) Roll No 224 –1st Annual-(INTER PART – II) COMPUTER SCIENCE Time Allowed: 2.10 hours PAPER – II (Essay Type) GROUP - II Maximum Marks: 60 SECTION - I (MS-ACCESS) 2. Write short answers to any SIX (6) questions: .12 What is indexed sequential file? What is control key? Differentiate between cardinality and modality. (iv) Define repeating groups. What is the purpose of status bar? (vi) What is the purpose of reports? What is the usage of secondary key in database? Justify with the help of example. What is the main purpose of "Replicated" data distribution strategy? Write down any two built-in functions that perform calculation in query. Repart pakeity.org C-Language 3. Write short answers to any SIX (6) questions: 12 Define keywords. What is meant by standard output? (iii) Describe pointer variable. What is binary stream? Write a C-Language statement to declare (vi) Find any two errors a long data type variable. char ch, ch1, sum ch1 = '2';ch2 = '6';Find output (vii) Find any two errors (viii) void main (); int x = 7; int y = 3; printf ("% d and % d", x/y, x % y); int B = 20; printf (" % d ", b); Write down the output of the following code: (1X)printf ("Pakistan \t Zindabad \n"); printf ("We \t \t Pakistani \t people"); OR (Visual Basic) 3. Write short answers to any SIX (6) questions: 12 (i) Define an event in VB. Describe project explorer window. What are mouse events in B? (iii) (iv) Differentiate between design time and runtime. Define property window Describe three styles of combo box. What is the purpose of scroll bar control? (viii) How does an option button differ from check box? Why a three letter prefix is used with the names of controls? C-Language Write short answers to any SIX (6) questions: 12 Differentiate between while and do-while loops. Define built-in functions with example. Predict the output of the following Differentiate between "if else" and code segment: "if-else-if" statements. if (50 = 70)printf ("HAPPY"); else if (80 = 100)printf ("NOT HAPPY"); Convert the following while () loop into Predict the output of the following for () loop: code segment: int i = 5; int c; while $(i \le 10)$ for (c = 1; c < = 10; c = c + 2)printf (" %d ", c); printf ("% d \n", i);

(Turn Over)

Lahore Board-2024

Differentiate between function definition and function declaration. Pakcity.org

(2)

Write the purpose of function argument.

What is the life time of local variable? OR (Visual Basic) 12 4. Write short answers to any SIX (6) questions: Define single data type in VB. Describe explicit variable declaration. What is concatenation in Visual Basic? What is Val function? (iv)Differentiate between + and & in Visual Basic. Write the syntax of While --- Wend loop. What is default property of command button? (vii) Describe the purpose of break statement. What is sentinel value? (ix) SECTION - II (MS ACCESS) Attempt any ONE question. 5. Define database model. Describe different types of database models. 8 6. Discuss any four data types which are used in MS Access. 8 SECTION Note: Attempt any TWO descriptive answers (either from "C-Language" or from "Visual Basic") of the following questions. C Language) What necessary steps are taken to prepare a C-program for execution? Discuss briefly. 2,2,2,2 Write a program in C-language that inputs three numbers and display maximum number. 8 Write a program that inputs a number from user and displays table of that number. 8 OR pakcity.org Visual Basic) 7. What is IDE? Explain any three components of Visual Basic IDE. 2,2,2,2 Write a program in Visual Basic that inputs three numbers and display maximum number. 8 Write a program in VB that inputs a number from user and displays table of that number. 8 230-224-II-(Essay Type)-37100

Paper Code Number: 4835 INTERMEDIATE PART-II (12 th Class)									
	ber: 4835	'Class)	Roll No:						
COMPUTER SCIENCE PAPER-II GROUP-I TIME ALLOWED: 20 Minutes OBJECTIVE MAXIMUM MARKS: 15									
O.N	O.No.1 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. (Either from "MS-ACCESS & C-LANGUAGE" OR from "MS-ACCESS & VISUAL BASIC")								
	(Either from "Ms		AS-ACCESS	MID-ACCEDE	or vidorili drik				
S.#		ESTIONS	A	В	C	<u>D</u>			
1	In 3NF, a non-key a on a:	ttribute must not depend	Non-key attribute	Key attribute	Composite key	Sort key			
2	In a relational datab of information is ca		Table	Record	Entity	Attribute			
3	A collection of rela		Character	Record	Database	File			
4	CREATE command	d is used to create:	Record	View _	Report	Query			
5	Customers, cars are	examples of:	Entity •	Attribute	Cardinals	Relationship			
6	The columns of a ta	ble corresponds to:	Table	Record	Field _	Cell			
			LANGUAGE		T ~ 1	D			
7	An other term for a a decision is:	computer making	Sequential	Iteration	Selection	Repetition			
8	When $x = 40$, f = (x < 50)? 10 the statement, the v	: 20;, after executing alue of x is:	20	10	40	100			
9	A loop within a loo	p is called:	Nested loop	Complex	Infinite loop	Dual loop			
10	A built in function:		Can not be redefine	edefined	Can not return a value	Should be redefined			
11	The mode opens on both reading and w	ly an existing file for riting is:	Output mode	"W+" Append mode	'R+" Create mode	"A+" Read mode			
12	The extension of he	ader file is:	.cpp	.txt	.E	.h			
13	Variable and consta contain a(n):	nt name can not	Number	Underscore	Letter	Period			
14	The function that is output on screen is	1 1 1	printf	scanf	pow	display			
15	The format specifie	is used for:	81	'F'	4.83	'9'			
			OR SUAL BASIC	Motilica					
7	An other term for a a decision is:		Sequential	Iteration	Selection	Repetition			
8	When a relational e	xpression is false, it	1	0	Less than zero	-1			
9	A loop within a loo	p is called:	Nested loop	Complex loop	Infinite loop	Dual loop			
10	A built in function:		Can not be redefine	Can be redefined	Can not return a value	Should be redefined			
11	To create a new recopened in:	ord, the file must be	Output mode	Append mode	Create mode	Read mode			
12	The diamond in a fl	ow-chart indicates:	Progress	Input	Output	Condition			
13	Variable and consta contain a(n):	nt name can not	Number	Underscore	Letter	Period			
14	BASIC was introdu	ced in:	1960 AD	1950 AD	1970 AD	1980 AD			
15	Which event detects standard displayable		Key down	Key up	Key press	Keyboard			

COMO	RMEDIATE PART-II (12th Class)		oa		(1 st -A) Roll No:
COMI	PUTER SCIENCE PAPER-II	GRO	UP-I			
TIME	ALLOWED: 2.10 Hours		SU	BJE	CTIVE	MAXIMUM MARKS: 60
NOTE	: Write same question number :	and its pa	rts nur	nber	on ansv	ver book, as given in the question paper.
			SEC	TION-	Ĭ	
	(Either from "MS-ACCESS & C-LA	مرضية فستعدث وراحستيست			MS-AC	CESS & VISUAL BASIC")
2. Wr	ite short answers to any six parts.	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN	-ACCE	<u>ss</u>		$6 \times 2 = 12$
<u>(i)</u>	What is the main purpose of database				(ii)	Define foreign key.
(iii)	How many fields and records does the	e following	z table co	ontain'	?	
i		bject	Class			
			1st year	_		pakcity.org
(3-5)			1st year		D100	9
(iv) (vi)	What is the primary objective of ER of	diagram?	~~~~~~	v)	the second name of the last	ntiate between entity class and entity instance.
(viii)	Define partial dependency. Write the use of wild cards.			(vii) (ix)		database wizard? the purpose of radio button?
	ite short answers to any six parts.	C-L	ANGUA		Witat 13	$6 \times 2 = 1$
(i)	Why comments are used in program?	- Commence from	(ii)	7	te the ci	ven expression in C-Language: $a = 2b^2c^3$
(iii)	Find the errors in the following code:		(iv)		The second second	he output of the following code:
`	integer x, y ;		(,		int	x=1:
	x=10, y=20.5;				x+	Appendix is seen of
			×			
(4)	What is sentent stains in the control of	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1		print	f(``'d'', x++);
(v) (vi)	What is control string in printf () fur Find errors in the following code:	icuony	(viii)	Tin.	of swill L	e the output of following code:
()	void main ()		(vii)	l wu		f ("\"Hello \\\ n Dear!");
	{		(viii)	Def	ine text	
	printf (OK)		(ix)		************	'A+" mean in file handling?
	<u> </u>					
l Wr	rite short answers to any six parts	1/10	CTIAT D	OR		6 × 2 = 1
(i)	Describe categorized view of propert		ties win	columnia in increment	···········	U \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
(ii)	Define the use of Command Button C	Control.	(iii).		fferentia	ate between the hide and show methods of form.
(iv)	Define Modeless form.		(v)			e use of Query Unload Event?
(vi)	Define List Index Property.		(vii		hat is th	e purpose of the statement 'Unload Me'?
(viii)	How can two groups of option button			tly?		(2)
(ix)	How is information placed inside a co					(0)
2000	rite short answers to any six parts		<u>LANGU</u>	<u>AGE</u>	A	$6 \times 2 = 1$
(i)	Why break statement is used in a swi			₩		······································
(ii)	Trace the output of the following coding int $p = 3$, $q = 5$;	ic segment:		2//	(iii)	Define infinite loop.
	if((p > q) (p! = 4))		W	9	(iv)	Convert the following code into while () loop: void main (void){
	p=p+1;	6	1/2		X	int a, $k = 1$;
	E 184		() >		1	
	else	(0)				for $(a = 1; a <= 10; a++)$
	else $p=p-1$;	1000				for (a = 1; a <= 10; a++) printf ("%d\n", k+a);}
v)	else p = p - 1; printf ("%d", p);	100			(vi)	printf ("%d\n", k+a);}
(v)	else p = p - 1; printf ("%d", p); Predict the output:	100			(vii)	printf ("%d\n", k+a);} What is the life time of a local variable?
(v)	else $p = p - 1;$ $printf ("%d", p);$ Predict the output: $int i, a = 3;$ $for (i = 5; i > 0; i) {$	1000			(vii)	what is the life time of a local variable? Why return statement is used in function?
v)	else $p = p - 1;$ $printf ("%d", p);$ Predict the output: $int i, a = 3;$ $for (i = 5; i > 0; i) {$ $a = a + i;$	1000			Mary desiration of the last of	printf ("%d\n", k+a);} What is the life time of a local variable?
(v)	else $p = p - 1;$ $printf ("%d", p);$ Predict the output: $int i, a = 3;$ $for (i = 5; i > 0; i) {$				(vii) (viii)	what is the life time of a local variable? Why return statement is used in function? How is a function activated?
	else $p = p - 1;$ $printf ("%d", p);$ Predict the output: $int i, a = 3;$ $for (i = 5; i > 0; i) {$ $a = a + i;$ $printf ("%d\n", a);$			OR	(vii) (viii) (ix)	What is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters?
	else p = p - 1; printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i > 0; i){ a = a + i; printf ("%d\n", a); rite short answers to any six parts		SUALI	BASIC	(vii) (viii) (ix)	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12
	else $p = p - 1;$ $printf ("%d", p);$ Predict the output: $int i, a = 3;$ $for (i = 5; i > 0; i) {$ $a = a + i;$ $printf ("%d\n", a);$		SUALI	BASIC (ii	(vii) (viii) (ix)	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? What is Val Function?
4. Wr	else p = p - 1; printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i > 0; i) { a = a + i; printf ("%d\n", a); rite short answers to any six parts What is concatenation in Visual Basi		SUALI	BASIC (ii	(viii) (viii) (ix) D	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? What is Val Function? ifferentiate between "+" and "&" in Visual Basic.
4. Wr (i) (iii)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i>0; i){	c?	SUALI	BASIC (ii	(vii) (viii) (ix) D D W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? What is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
4. Wr (i) (iii) (v)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i>0; i){	c?	SUALI	BASIC (ii (iv	(vii) (viii) (ix) D D W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? What is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
4. Wr (i) (iii) (v) (vii)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i>0; i){ a=a+i; printf ("%d\n", a); rite short answers to any six parts What is concatenation in Visual Basi Define Infinite loop. How select case help in coding. What is default property of command Trace the output: If (10 Mod 3 = 0) Then	c?	SUALI	BASIC (ii (iv	(vii) (viii) (ix) D D W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
(i) (iii) (v) (vii)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){	c?	SUALI	BASIC (ii (iv	(vii) (viii) (ix) D D W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
4. Wr (i) (iii) (v) (vii)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){	c?	SUALI	BASIC (ii (iv	(vii) (viii) (ix) D D W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
(i) (iii) (v) (vii)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){	c?	SUALI	BASIC (ii (iv	(vii) (viii) (ix) D D W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
(iii) (vii) (ix)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){	c?		BASIC (ii (iv	(viii) (ix) D W iii) W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop.
(iii) (vii) (ix) NOTE	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){ a=a+i; printf ("%d\n", a); rite short answers to any six parts What is concatenation in Visual Basi Define Infinite loop. How select case help in coding. What is default property of command Trace the output: If (10 Mod 3 = 0) Then Print ("YES") Else Print ("NO") End if	button?	SECT	SASIC (i) (v) (v) SS	(viii) (ix) D W ii) W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early?
4. Wr (i) (iii) (vi) (ix) NOTE 5. V	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){	i button? MS uss differen	SECT	SASIC (i) (v) (v) SS	(viii) (ix) D W ii) W	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early?
4. Wr (i) (iii) (vii) (ix) (ix) 5. V 6. F	printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i = 0; i) {	i button? MS uss different	SEC'	FION- SS lies in	(viii) (ix) (ix) (ix) (ix) (ix) (ix)	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early?
4. Wr (i) (iii) (vii) (ix) (ix) 5. V	printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i = 0; i) {	button? MS uss different Access.	SECTACCE: anoma	IN (in (v.	(viii) (ix) (ix) (ix) (ix) (ix) (ix)	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early?
4. Wr (i) (iii) (vii) (ix) (ix) NOTE NOTE	p = p - 1; printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i = 0; i) {	button? MS uss different -Access. her from "C-	SECTACCE at anoma	FION- SS lies in uage"	(viii) (ix) (ix) (ix) (ix) (ix) (ix)	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early?
4. Wr (iii) (vii) (ix) (ix) NOTE 5. V 6. P 7. P 8. V	p=p-1; printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i = 0; i) {	button? MS uss different -Access. her from " C- errors in C	SECTACCE at anoma Languar nes whe	HON- SS Lies in Luage uage ther it	(viii) (viii) (ix) (ix) D (ix) W (ii) W (ix) OR "V is positive i	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early? e. 8 isual Basic"
4. Wr (iii) (vii) (ix) (ix) NOTE 5. V 6. P 7. P 8. V	p = p - 1; printf ("%d", p); Predict the output: int i, a = 3; for (i = 5; i = 0; i) { a = a + i; printf ("%d\n", a); rite short answers to any six parts What is concatenation in Visual Basi Define Infinite loop. How select case help in coding. What is default property of command Trace the output: If (10 Mod 3 = 0) Then Print ("YES") Else Print ("NO") End if Attempt any one question. What are the database anomalies? Discussion of the database anomalies?	i button? MS uss different -Access. her from " C- errors in C nd determiners from 1	SECTACCE at anoma contanguation of the second secon	IN (in (v)	(vii) (viii) (ix) (ix) II databas OR "V is positively loop.	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early? e. 8 isual Basic"
4. Wr (ii) (vii) (vii) (ix) NOTE 5. V 6. E NOTE 7. C 8. V	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){ a=i; printf ("%d\n", a); rite short answers to any six parts What is concatenation in Visual Basi Define Infinite loop. How select case help in coding. What is default property of command Trace the output: If (10 Mod 3 = 0) Then Print ("YES") Else Print ("NO") End if Attempt any one question. What are the database anomalies? Disci Explain any four types of queries in MS Explain any four types of queries in MS Explain different types of Write a program that inputs an integer a Write a program that displays odd numb OR	button? MS uss different -Access. her from " C- errors in C nd determiners from 1 VIS	SECTACCES tanomas C-Language programmes when to 17 us SUAL B	IN (in (in (in (in an in	(vii) (viii) (ix) (ix) II databas OR "V is positively loop.	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early? e. 8 isual Basic"
(iii) (vii) (ix) (ix) NOTE 5. V 6. E NOTE 7. C	p=p-1; printf ("%d", p); Predict the output: int i, a 3; for (i = 5; i 0; i) {	button? MS uss different Access. her from " C- errors in C nd determiners from 1 VIS	SECTACCE To an anomal C-Languar To 17 us SUAL Brisual Barries when the sual Barries when t	IN (in (in (in (in (in in an i	(viii) (ix) (ix) (ix) (what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early? e. 8 isual Basic" 8 ye, negative or zero. 8 8
(iii) (vii)	p=p-1; printf ("%d", p); Predict the output: int i, a=3; for (i=5; i=0; i){ a=i; printf ("%d\n", a); rite short answers to any six parts What is concatenation in Visual Basi Define Infinite loop. How select case help in coding. What is default property of command Trace the output: If (10 Mod 3 = 0) Then Print ("YES") Else Print ("NO") End if Attempt any one question. What are the database anomalies? Disci Explain any four types of queries in MS Explain any four types of queries in MS Explain different types of Write a program that inputs an integer a Write a program that displays odd numb OR	button? MS uss different -Access. her from " C- errors in C nd determiners from 1 VIS	SECTACCE at anomal contanguation of the second seco	HON- SS lies in ther it ing an ASIC sic. ther it	(viii) (ix) (ix) (ix) (ix) (ix) (ix) (ix)	what is the life time of a local variable? Why return statement is used in function? How is a function activated? What is the use of formal parameters? 6 × 2 = 12 That is Val Function? ifferentiate between "+" and "&" in Visual Basic. Trite the syntax of while wend loop. Thich statements terminate Do and For loops early e. 8 isual Basic" 8 ye, negative or zero. 8 8

36-2024(1st-A)-23000 (MULTAN)

-	er Code		24 (1 st -A)	Class	Dall Na.					
	nber: 4832 MPUTER SCIENC		PART-II (12 th Class) Roll No: GROUP-II							
	TIME ALLOWED: 20 Minutes OBJECTIVE MAXIMUM MARKS: 15									
	Q.No.1 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.									
	(Either from "MS-ACCESS & C-LANGUAGE" OR from "MS-ACCESS & VISUAL BASIC") MS-ACCESS									
S.#	QU	ESTIONS	A	В	C	D				
1	Which is also known	n as data set?	Module	File 🛑	Record	Field				
2	A relation is also known	own as:	Table _	Tuple	Attribute	Relationship				
3	In an ER diagram, a	rectangle represents:	Attribute	Field	Flow	Entity				
4	Different attributes i having same name a	n two different tables re called:	Synonym	Acronym	Homonym	Mutually exclusive				
5	Which database objection database?	ect is used to retrieve data	Queries	Forms	Reports	Tables				
6	The data in tables is	entered in:	Design view	Normal viev	w Datasheet view	Layout view				
			-LANGUAGE							
7		any bytes in memory?	Four	Three	Two	Zero 🛑				
8	For initializing a var operator.	riable, we use	→	=	?	@				
9	The function getch() is defined in:	conio.h	stdio.h	math.h	input.h				
10	If int z = 222, then the statement printf("%5d",z) will display:		☐222 ☐	222		"222"				
11	What will be the value of n after executing the following statement: n = (100 > 200) ? 100 : 200;		100	290	100200	200100				
12	Which is valid case	statement in a switch?	case x > 2	case "one"	case 1.2	case 1:				
13	How many types of are available in C?		2	3	4	1				
14	A function can retur	n value(s).	1	2	3	Many				
15	52005 SS	sed to write a string	puts	printf	f puts ()	getch				
	to a file?		EDUCA			<u> </u>				
		V	OR ISUAL BASIC							
7	Forms and controls recognized as:	are collectively	Properties	Methods	Events	Object				
8	Methods characteriz	ze an object's:	Appearance	Behaviour	Value	Style				
9	Variable and constant contain:	nt names can not	Periods	Number	Underscore	Letter				
10	The integer data typ bytes.	e in VB occupies	1	12	2	8				
11	The loop which nev- loop.	er ends is called	nested	infinite	inner	outer				
12	If number of iterational advance, the suitable		Do loop while	Do loop uni	til Do while loop	For Next				
13	Image control holds assigned to		caption	picture	text	auto size				
14	The property that in selected item in the	dicates the number of list box control is:	selcount	count	sum	index				
15	1 1 2 1	ecifies maximum es that can be entered	length	max	max length	multi length				

1			n Board				
INTE	RMEDIATE PART-II	(12 th Class)		202	4 (1st-A)	Roll No:	
			OUP-II				
	ALLOWED: 2.10 Ho			<u>JECTIV</u>		MAXIMÚM M	
NOTE						s given in the question	
200 200-200-200				GUAGE'	OR from	"MS-ACCESS & VISUA	
	ite short answers to any What is meant by Data r		MS-ACCESS	(ii)	Whati	s the purpose of using view	$\frac{6 \times 2 = 12}{6 \times 2}$
(i) (iii)	How many fields and re		n following table'		1 WHALL	s me purpose or using view	S &
(,	Roll No.	Student name	Class			3	5
	1201	Asad	2 nd year			- pakcit	v.org
	1205	Majid	2 nd year			9	
	1212	Saima	1 st year				
(iv)	Why is requirement ana	- 		(v)		entity with example.	-) (C. A
(vi) (viii)	What is meant by data in How table design view i		cheat view?	(vii		re major database objects i different layouts of form.	n MS-Access?
	ite short answers to any		LANGUAGE	1 (14)	Denne	different layouts of form.	6 × 2 = 12
(i)	Give examples of any tv			(ii)	Convert th	ne express $x \ge y \ge z$ in C	
(iii)	What is the output of the			(iv)		ne errors in the following li	
(/	int $y=10$;					5=x;	
	int $x=2$;				х	=+x;	
	y = x + y;				pr	intf('%s', x);	
	x=x+5;			,			
	printf("x = %d)	and $y = \%d^n, x, y$	·);				
(v)	Clarify the difference be			ons.			
(vi)	Find out the errors:			Predict the	• 0 52		
	void main (void)				x=y=5		
Ų Į	int total marks = int 0M = 300;	500;		ргі	ntf ("%d \	$n \% d^{\circ}, ++x, x++);$	
ý P	The second of th	00 ÷ total marks;	<u> </u>			e between prints() and spr	
	printf ("%f", p);	No.	(ix)	Write pur	pose of 'fo	en' and 'sclose' function	1S.
				R			
	ite short answers to any		VISUAL BASIC				$6 \times 2 = 12$
(i) (iii)	What is the purpose of 'What is the difference b	The state of the s	And the second s	ميال من الكامل الكامل الشارك المناسلة المناسلة المناسلة المناسلة المناسلة المناسلة المناسلة المناسلة المناسلة		o components of IDE.	conventions?
(v)	Differentiate between li					enter data in multiple line	
(vii)	What is the purpose of t					groups of option buttons	
(ix)	What is the purpose of t						
4. Wr	ite short answers to any	six parts (CIANCILACE	MAI			
(:)			C-LANGUAGE				$6 \times 2 = 12$
(i)	Define compound states	ment.		7	T 111 1		$6 \times 2 = 12$
(ii)	Determine the output of	ment.		(iii)		vo uses of loop.	
	Determine the output of char ch = 'a';	ment.		7	Convert	the following code segmen	
	Determine the output of char ch = 'a'; switch (ch)	ment.		(iii)	Convert		
~	Determine the output of char ch = 'a'; switch (ch) { Case 'a':	ment.		(iii)	Convert Void { int	the following code segment main ()	
~	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A");	ment.		(iii)	Convert Void { int	the following code segments i main () i; (i = 1; i < = 20; i++)	
~	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b':	ment.		(iii)	Convert Void { int	the following code segment main ()	
~	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A");	ment.		(iii)	Convert Void { int	the following code segments i main () i; (i = 1; i < = 20; i++)	
~	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b':	the following code s	egment	(iii)	Convert Void { int for prin }. Define	the following code segment main () i; (i = 1; i <= 20; i++) if ("loop"); function header.	nt into while loop.
(ii)	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }.	the following code s	egment	(iii) (iv) (iv) (vi) (vii)	Convert Void { int for prin }. Define How do	the following code segments i main () i; (i = 1; i <= 20; i++) if ("loop"); function header. es a function return a value	nt into while loop.
(ii)	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the	the following code segment.	egment	(iii) (iv) (vii) (viii) (viii)	Convert Void { int for prin }. Define How do Write de	the following code segment main () i; (i = 1; i <= 20; i++) if ("loop"); function header. es a function return a value own the use of actual paran	nt into while loop.
(ii)	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the int n;	the following code segn	egment.	(iii) (iv) (vii) (viii) (viii) (ix)	Convert Void { int for prin }. Define How do Write de	the following code segments i main () i; (i = 1; i <= 20; i++) if ("loop"); function header. es a function return a value	nt into while loop.
(v)	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n);	the following code segn	nent.	(iii) (iv) (vii) (viii) (viii) (ix)	Convert Void { int for prin }. Define How do Write de	the following code segment main () i; (i = 1; i <= 20; i++) if ("loop"); function header. es a function return a value own the use of actual paran	nt into while loop.
(v) 4. Wr	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n); ite short answers to any	the following code segn	nent. VISUAL BASIC	(iii) (iv) (vii) (viii) (viii) (ix)	Convert Void { int for prin }. Define How do Write de Why is	the following code segment main () i; (i = 1; i <= 20; i++) atf ("loop"); function header. es a function return a value own the use of actual paran function used in a program	nt into while loop. ? neter. ? $6 \times 2 = 12$
(v) 4. Wr	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n); ite short answers to any Distinguish between Co	the following code segn	nent. VISUAL BASIC	(iii) (iv) (vii) (viii) (viii) (ix)	Convert Void { int for prin }. Define How do Write do Why is (ii)	the following code segment main () i; (i = 1; i <= 20; i++) if ("loop"); function header. es a function return a value own the use of actual parantum function used in a program How variable is declared	nt into while loop. ? neter. ? 6 × 2 = 12 in Visual Basic?
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(v) (v) 4. Wr	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n); ite short answers to any Distinguish between Co	f the following code segn n) six parts nstant and Variable. ssign a data type to a f any two control stru	nent. VISUAL BASIC variable?	(iii) (iv) (vii) (viii) (ix) OR	Convert Void { int for prin }. Define How do Write do Why is (ii)	the following code segment main () i; (i = 1; i <= 20; i++) if ("loop"); function header. es a function return a value own the use of actual paran function used in a program How variable is declared Define Control structure.	nt into while loop. ?? neter. ? 6 × 2 = 12 in Visual Basic?
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(ii) (v) (iii) (vi) (vii) (ix) NOTE 5. [D	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ("B'); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n); tite short answers to any Distinguish between Co Why is it important to a Write down the name of Why nested IF is comple Give four examples of respectively. Attempt any one que pefine database model. D	the following code segment: n) six parts onstant and Variable. assign a data type to a f any two control structured? relational expression. estion. iscuss different types	variable? secture in Visual B SECTIONS-ACCESS of database mod	(iii) (ivi) (vii) (viii) (ix) ON-II els.	Convert Void { int for prin }. Define ! How do Write do Why is (ii) (iv) (vi) (viii)	the following code segment main () i; (i = 1; i <= 20; i++) atf ("loop"); function header. es a function return a value own the use of actual parant function used in a program How variable is declared Define Control structure. Write down two uses of seconds.	nt into while loop. ?? neter. ? 6 × 2 = 12 in Visual Basic?
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(ii) (v) (iii) (vi) (vii) (ix) NOTE 5. D 6. V NOTE 7. D 8. A v d 9. V	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ("B"); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n); *ite short answers to any Distinguish between Co Why is it important to a Write down the name of the complex o	tollowing code segn n) six parts onstant and Variable. assign a data type to a f any two control structicated? relational expression. estion. iscuss different types elation? Describe any estions. Either from a guage. Describe any six divisible by 4, excepts a year such as 1996 guage that displays the OR uage. Describe any six divisible by 4, excepts a year such as 1996 guage that displays the OR uage. Describe any six divisible by 4, excepts a year such as 1996 guage that displays the OR	variable? segment. VISUAL BASIC variable? seture in Visual B SECTION MS-ACCESS of database mod y six field propert "C-Language" C-Language ix characteristics of that any year dist, 1800 and 2010, see sum and production of the sum and production of	(vi) (vii) (viii) (viii) (viii) (ix) ON-II els. ties in deta OR "Vist of high le ivisible by and displ ct of first of high le	Convert Void int for prin }. Define it How do Write do Why is (ii) (iv) (vi) (viii) ail. ual Basic" vel program 100 is a le ays "Leap y ten even numerous program vel program	the following code segment in main () i; (i = 1; i <= 20; i++) off ("loop"); function header. es a function return a value own the use of actual parametric function used in a program How variable is declared Define Control structure. Write down two uses of some Define logical operator. In ming languages. Example 1 is leap year, other in the segment of the	nt into while loop. ?? 6 × 2 = 12 in Visual Basic? select case statement. 8 8 8 le by 400. 8 rwise 8
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(ii) (v) (iii) (iii) (vii) (ix) NOTE 5.	Determine the output of char ch = 'a'; switch (ch) { Case 'a': printf ("A"); case 'b': printf ('B'); }. Predict the output of the int n; for (n=7; n>=1; printf ("%d", n); The short answers to any Distinguish between Co Why is it important to a Write down the name of Why nested IF is comple Give four examples of restrictions. Attempt any one que Define database model. Define database model. Define programming languages a leap year if it is write a program that input lisplays "Not Leap year". Write a program in C-Languages of the programming languages and complete the programming languages. Write a program in C-Languages and complete the programming languages are in a leap year if it is sometimes of the programming languages. The programming languages are in a leap year if it is sometimes and the programming languages. The programming languages are in a leap year if it is sometimes and the programming languages.	six parts onstant and Variable. assign a data type to a f any two control structicated? relational expression. estion. ostion. ostio	variable? segment: VISUAL BASIC variable? seture in Visual B SECTION SECTION SECTION MS-ACCESS of database mod y six field propert "C-Language" C-Language ix characteristics of that any year di 1, 1800 and 2010, se sum and production VISUAL BASIC ix characteristics of that any year di 1, 1800 and 2010,	(vi) (vii) (viii) (viii) (viii) (viii) (ix) OR "Vistor of high lessible by and displayed and displa	Convert Void int for prin }. Define How do Write do Write do Why is (ii) (iv) (vi) (vii) (viii) ten even number of program 100 is a leady "Leap" ten even number of program (100 is a leady "Leap") ten even number of program (100 is a leady "Leap")	the following code segment is main () i; (i = 1; i < = 20; i++) atf ("loop"); function header. es a function return a value own the use of actual parant function used in a program How variable is declared Define Control structure. Write down two uses of some logical operator. Paper only if it is divisible year" if it is leap year, other many languages. Eap year only if it is divisible year if it is leap year, other languages. Eap year only if it is divisible year if it is leap year, other languages.	e? neter. ? 6 × 2 = 12 in Visual Basic? select case statement. 8 8 8 le by 400. 8 rwise 8 le by 400, 8

Rawalpindi Board-2024

公分分 Roll No

HSSC-(P-II)-A/2024 (For All Sessions) Paper Code 8 8 3

Computer Science (Objective)

Time: 20 Minutes Marks:

Note: Write Answers to the Questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. WI answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or Pen ink on the answer sheet provided.

				MS-ACCESS	3		
1.1	In an ER diagram, the rectan	gle represe	nts:				
	(A) Attribute	(B)	Entity •	(C)	Record	(D)	Relationship
2.	In 3NF, a non-key attribute m			10 \		(D)	4131
•	(A) Key attribute	` '	Composite attribute	e (C)	Primary attribute	(D)	Non-key attribute
3.	The output of the query is in	1275-00-12		<i>(</i> C)	Toblo	(C))	Report
4	(A) Form In MS Access, text type allow	(B)	Object	(C)	Table	(D)	Report
4.	(A) 254	(B)	255	cters up to. (C)	260	(D) ⁻	266
5.	Select a data model which is			(0)	200	(2)	200
0.	(A) Network data model		dierarchical mode	(C)	Logical data model	(D)	Relational data model
6.	In a table, each primary key	, ,				\- '	
	(A) Unique	(B)	Summarized	(C)	Non-unique	(D)	Null
			C	-LANGUAG	E	*** <u>*</u> *	
7.	Format specifier $\%$.3 f for	the value of	005 will produ	ce output:			
	(A) □.005	(B)	005	(C)	□ 005	(D)	-0.005
8.	Select a statement which is u	sed for mak	king two-way decis	sion.			
	(A) Switch	(B)	If -∴else ●	(C)	If	(D)	nested if
9.	Consider $x = 12$ and $y = 1$	13, the outp	out of the expressi	on $x > y$?x+y:x-y; wil	l be:	
	$(A) \qquad -1 \blacksquare$	(B)	1,	(C)	25	(D)	15
10.	Select the loop in which cond	ition is writte	en before the bod	y of the loop			
2.5	(A) do – while loop	(B)	wend loop	(C)	infinite loop	(D)	while loop 🛑
11.	Local variables are created in	\$100,000,0					
	(A) Hard disk	(B)	ROM	(C)	RAM	(D)	Cache
12.	On successfully closing a file	902000		((())	4	(D)	
40	(A) Null	(B)	0 •	Sile	1	(D)	-1
13.	A program that combines obj	No.	\ ' \ '	*	0	/1)\
14.	(A) Linker An equivalent expression to	(B)	Loader	(C)	Preprocessor	(r	D) Interpreter
14,	An equivalent expression to a (A) $b/=a$	t/=b is. (B)	A ZIA	(C)	a = a/b	(D)	b = b/a
15.	Select format specifier that di	` ` ` ` \	actor on the scree	(C)	a = a/b	(D)	D-D/a
10.	(A) $\% d$	ABI DITAL	% f	(C)	% c	(D)	% X
	(,,) ,o	210	(OR)	VISUAL B		(0)	70 /
7.	Select the operator used for s	tring conca		Appropria New			
	(A) -(Under score)	200.00	& (Ampersand)	(C)	/(slash)	(D)	+ (plus sign)
8.	In VB which statement is used					Name of	
	(A) Sub	(B)	Dim	na(C) its	Identifier	(D)	Event
9.	The entire select case constru	uct is termin	ated with:				
	(A) End Select	(B)	Case Else	(C)	End if	(D)	Stop select
10.	The statement that will immed	diately termi	inate a For Ne	xt loop is:			
	(A) End for	(B)	Exit loop	(C)	End loop	(D)	Exit for
11.	Select a control which is invis	ible at run ti	ime:				
	(A) Label	(B)	Image	(C)	Timer	(D)	Drive List Box
12.	A window that requires the us	¥			11 41 20 1 10 1290 1200 1 41 0	enev.	
10	(A) Modelessly	(B)	Modal	(C)	Modular	(D)	Module
13.	The rectangle symbol in flow	10000000	527 92	/ 0\	4	/m.\	
	(A) Process	(B)	Input	(C)	Output	(D)	Condition
14.	In Visual Basic, a form is ano	Bernard	1322				
4-	(A) Tool	(B)	Property	(C)	Object	(D)	Code
15.	The property that changes tex	Transfer					
	(A) Back color	(B)	Font color	(C)	Fore color	(D)	Text color
ංගී	nakaitu ara Do			533-12-A			
-3600	pakcity.org						

Roll No ______ to be filled in by the candidate

HSSC-(P-II)-A/2024

Computer Science (Subjective) (For All Sessions) Time: 2:10 hours

SECTION-I

MS-ACCESS

2. Write short answers of any six parts from the following:

(6x2=12)

Marks: 60

- i. Differentiate between data and information.
- ii. Consider the following figure and indicate the Field names and records:

R No.	Name	Class ID	Dep ID
1	Asif Ali	10	4
2	Aysha	10	4
3	Saleem	11	1

- iii. Write two responsibilities of database Administrator.
- iv. How will you determine that software development is feasible for an organization or not?
- v. Write two differences between cardinality and modality of a relation.
- vi. Why it is important to normalize the relation before you use it for storing data? vii. What is the purpose of IDE in MS-ACCESS?
- viii. Differentiate between design view and data sheet view of table.
- ix. Write purpose of 'validation' and 'input mask' properties.

C- LANGUAGE

3. Write short answers of any six parts from the following:

(6x2=12)

- Define string constant. Give an example.
- Write the equivalent statement in Language C, for the following: $S = Vit + \frac{1}{2}at^2$

Void

iii. Predict the output of the following code segment?

Int a=7;

Int y=3;

Printf ("%d and % d"/, x/y, x%y);

iv. Find errors in the following:

{

1166 6-7

Print f (%)

main()

v. Compare getch and getche function

vi. Find errors in the following code segment:

Void main ()

int x = 5;

int y

sum = x + y

Printf ("% d", sum);

vii. Find the output of the following code segment:



Void main ()

Print f (" How | t are | t you");

Print f (" | n Bye");

}

ix. Define file pointer.

viii. How file is opened in C-Language?

(OR) VISUAL BASIC (V.B)

- 3. Write short answers of any six parts from the following:
 - i. Differentiate between design time and run time.
- ii. Define IDE.
- iii. Write down two steps for creating Visual Basic project.
- iv. Distinguish between object and event.

v. Describe key up event.

vi. Distinguish between hiding and closing of a form.

vii. Define focus.

viii. Name and explain two styles of combo box

Distinguish between 'Default' and 'Cancel' properties of command button. Rawalpindi Board-2024 ĺΧ.

Write short answers of any six parts from the following: Ą.

(6x2=12)

- Why should you use a default label in switch structure?
- Determine output of following code segment:

```
Int X=1, Y, \Xi;
If ((x == y)!! (y == z)!! (z == 2))
Print f ("yes");
else
Printf ("No");
```

Write the syntax of do while loop.

Void main () Convert following code into while loop: Int i; $for(i = 1; i \le 10; i + +)$

Printf ("Pakistan");

Determine output of following code:

Int i, p=1; For (i = 1; i < 6; i+=1)P *= 2;

Printf ("%d", P);

C- LANGUAGE

- Define between actual and formal parameters? VI.
- What do you know about user defined functions? VII.
- What is the scope of local variable? VIII.
- What is function definition? X.

VISUAL BASIC (OR)

Write short answers of any six parts from the following: 4.

- Write the syntax of message box in VB.
- What is compound condition? Give example. iii.
- When should you use do while loop?
- Write the syntax of do loop until. VII.
- Write output of following code segment:

What is concatenation and when would it be useful?

When should an if block be used instead of select case block?

- Which statement terminate do and for loop early?
- Draw flow chart of do loop while. viii.

Print i * i i = i + 1

Loop while i <= 5

SECTION-II

Attempt any one question from the following: (MS-ACCESS) Note

(8x1=8)

- What are data base anomalies? Briefly discuss insertion, deletion and modification anomalies.
- Explain any four data types available in MS-ACCESS 6.

SECTION-III

Note Attempt any two questions either from "C-Language" or "Visual Basic". (8x2=16)

(C-Language)

- Describe the characteristics of high-level programming languages.
- Write a program in C-Language which takes three members as input from user & display the smallest number by using logical operators. 8.
- Write a program that displays first five numbers and their sum using while loop.

(VISUAL BASIC)

- Describe the characteristics of high-level programming languages.
- Write a program in VB which takes three numbers as input from user & display the smallest number by using logical operators. 8.
- Write a program that displays first five numbers and their sum using while....wend loop.

Sargodha Board-2024

Warning:- Please, do not write anything on this question paper except your Roll No.

1224 (Inter Part - II)

(Session 2020-22 to 2022-24)

Roll No

Computer Science (Objective)

Paper (II)

Sig. of Student -----

Time Allowed:- 20 minutes

PAPER CODE 4833

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 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. Write PAPER CODE, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed. (MS-ACCESS)

white co	orrecting ti	uid is not allowed.	(MS-ACCESS)			
S.N.		Questions	<u>A</u>	В	C	<u>D</u>
1.	The num	ber of fields in a relation is called	Degree	Cardinality	Domain	Range
	the	of the relation.				
2.	Which of the following may be a temporary file?		Transaction	Master	Backup	Basic
3.	The number of characters in variable-length field are		1	2	Constant	Variable
4.		s, cars and parts are examples of	Attributes	Relationships	Entity _	Cardinality
5.		that is in 2NF and contains no	1NF	2NF	3NF	4NF
	transitive	dependency is said to be in				
6.	The smal	lest meaningful unit of data in a	Character	File	Record	Field _
	database					
7.	(C.Lng)	On successfully closing a file? The fclose() returns:	1	Null	END	0
	OR (VB)	You can enter data in a control only when it has	control	tab order	mask	focus
8.	(C.Lng)	stdio stands for	simple in	Standard input output	Symbolic input output	String input output
	OR (VB)	window contains statements that are executed when some event occurs?	prine explorer	Code	form	form layout
9.	(C.Lng)	Which of the following is a valid character constant?	abc	(3) •	"abc"	+
	or (VB)	The property that changes text color is	back color	fore color	font color	text color
10.	(C.Lng)	a+=b is equivalent to	a a th	a=+b	b+=a	b=b+a
	or (VB)	Variables name can not begin with	number	upper case	Lower case	underscore
11.	(C.Lng)	What will be the value of safter executing the following statement s=(2000>3000)2 2000:3000;	2000	3000	20003000	5000
	OR (VB)	One execution of a loop is known as	duration	interation	turn	cycle
12.	(C.Lng)	Which of the following is not a selection statement?	break;	if	if else	switch ()
	OR (VB)	is an example of post test loop.	do loop while	while	do while	do until
13.	(C.Lng)	A loop within a loop is called	Infinite	Complex	Nested	Standard
	or (VB)	Image control holds a graphic that is assigned to property.	caption	text	picture	antosize
14.	(C.Lng)		user- defined	Library	custom- made	customized
	or (VB)	A control that provides an identifiable grouping for control is	Text Box	Frame	Button	list box
15.	(C.Lng) OR (VB)	If int b=123, then the statement printf("%5d",b) will display. The Integer data type in VB	"123"	123	123	123
		occupies bytes	111	10		

Sargodha Board-2024

Warning:- Please, do not write anything on this question paper except your Roll No.

24 (Inter Part-II)

(Session 2020-22 to 20222-24)

Computer Science (Subjective)

Time Allowed: 2.10 hours

SECTION -----I

Maximum Marks: 60

Paper (II)

 $6 \times 2 = 12$

Answer briefly any Six parts from the following.

(MS-Access)

Define data file with example? (ii) What are two responsibilities of DBA?

Identify Primary key and foreign key from following tables structures?

Roll No	Name	City	Roll No	Subject	Marks
---------	------	------	---------	---------	-------



Table 1 Table 2

-) What is meant by user processing requirements? (v) Write the purpose of feasibility study?
-) Why is normalization used? (vii) Which database objects can be used to create a report?
- ii) Define referential integrity? (ix) Differentiate between Form and Report? Answer briefly any SIX parts from the followings:-

$6 \times 2 = 12$

C - Language

What is variable initialization?

Write down the equivalent C statement for: (a-b)²

Find errors in the following code segment

int x = 10 + 20;

scanf("%d", x);

printf("value of x = ", x);

What is the output of the following code segment. (iv)

int x = 2, y = 3, z;

z = (x+5) / (y+5);

printf("%d",x+y+z);

Differentiate between getch() and getche() functions.

Find the errors in the following code segments.

int
$$L = 10$$
, $W = 5$, A;

L * W = A:

printf("Area = %d", Area);

What is the output of the following code segment. (vii)

char ch1 = 'A', ch2 = 'B';

ch1 = ch2;

ch2 = ch1;

printf("%c %c", ch1, ch2);

Differentiate between text stream and binary

stream.

What is an EOF?

Visual Basic

- What is variable initialization? (i)
- (ii) Write down the equivalent VB statement for: (a-b)²
- (iii) What is form layout window? What is its purpose?
- What is the format of constant to define color in VB.
- (y) Define scale Mode property.
- Define Window State property.
- What is the purpose of Fixed Dialog style?
- What is the purpose of Tag property of Text box control.
- How can you verify that a Listbox item (ix) is selected or not?

 $6 \times 2 = 12$

Answer briefly any Six parts from the followings:-C – Language

Define control structure.

Determine the output

int
$$a = 1$$
, $b = 5$;

if
$$((a+b) < 6)$$

printf("Result=%d",b);

printf("Answer=%d",a+b);

What is sentinel value?

- Visual Basic Define variant data type.
- What is meant by name of a variable. (ii)

Describe implicit variable declaration.

Sargodha Board-2024

--(2)--

C- Language

(iv) Write the output of the following code K = 0; while(K<=5) {
 printf("%3d%3d\n",K,10-K); K++;

(v) Convert the following code by using for loop
int count = 1;
while (count <=10)
{
 printf("%d\n",count);
 count++;
}</pre>

- (vi) Describe unstructure programming.
- (vii) What is function header?
- (viii) Define actual parameters.
- (ix) Write any two benefits of user defined functions

Visual Basic

(iv) Write the syntax of input BOX.



(v) What is the purpose of Val function?

- (vi) Write the syntax of IF-THEN structure
- (vii) Define compound comparison.
- (viii) Describe the purpose of continue statemen
- (ix) Write the syntax of Wile-Wend loop

SECTION ----- II

Note: Attempt any ONE question.

MS - ACCESS

 $(8 \times 1 = 8)$

- 5. Define DBMS. Explain different features of a dbms?
- 6. Explain different data types available in MS-Access

SECTION 111

Note: Attempt any TWO questions either from "C-Language" OR from "Visual Basic". (8 × 2 = 16)

7. C-Language Briefly describe the basic structure of C program?

7. -OR-Visual Basic Briefly describe the basic structure of Visual Basic program?

8. C - Language Write a program that inputs temperature and displays a message according to the following data.

Temperature	Message
Greater than 40.	Hot day
Between 25 and 40 (inclusive)	Pleasant day
Less than 25	Cool day

8. -- OR--Visual Basic

Write a program that inputs temperature and displays a message according to the following data.

Temperature	Message
Greater than 40	Hot day
Between 25 and 40 (inclusive)	Pleasant day
Less than 25	Cool day

9. C-Language

Write a program in C-Language that display numbers from 1 to 20 and also compute and display their sum and average by using loop.

9. -- OR--Visual Basic

Write a program in VB that display numbers from 1 to 20 and also compute and display their sum and average by using loop.

1236 -- 1224 -- 20000

Bahawalpur Board-2024



Computer Science	(A)	L.K.No. 1469	Paper Code No. 8831
Paper II	(Objective Type)	Inter (I st - A -	Exam - 2024)
Time :	20 Minutes	Inter (Part - II)	Session (2020 - 22) to (2022 - 24)
Marks :	15		

(Important Instructions)

Note: Q.No.1 from Sr.No.7 to Sr.No.15 is of two types: (i) C-Language (ii) Visual Basic. The candidates are required to attempt any one of them. While Q.No.1 from Sr.No. 1 to Sr.No.6 is compulsory for all candidates.

Note: Four choices A, B, C, D to each question are given. Which choice is correct fill that circle in front of that Question No. on the Objective Bubble Sheet. Use Marker or Pen to fill the circles. Cutting or filling two or more circles will result in Zero Mark in that Question.

MS - ACCESS



Q.No.1	Which of the following Database model is often referred to as an Inverted Tree:			
(1)	(Hierarchical (B) Network (C) Relational (D) Object Oriented			
(2)	Which of the following is also known as Control Key: Sort Key (B) Composite Key (C) Primary Key (D) Candidate Key			
(3)	Which of the following symbol is NOT used in ER – Diagram: (A) Rectangle (B) Oval (C) Diamond (Triangle			
(4)	The goal of Normalization is to: (A) Increase No. of Relations (B) Increase Redundancy (C) Remove Constraints			
(5)	The output of the query is in the form of: (A) Form (B) Report (C) Graph (D) Table			
(6)	How many table views are available in MS – Access: (A) 1 (2 (C) 3 (D) 4			

C - Language

(7)	Which places an executable file in memory:
70.75	(A) Compiler (B) Linker (C) Loader (D) Debugger
(8)	Which of the following is NOT a reserved word:
	(D) Goto (B) While (C) For (D) Float
(9)	Format Specifier used for integer data type is: (A) % c (B) % d (C) % f (D) % s
(10)	Escape Sequence for backslash is: (A) \ (B) \ b (D) \ t
(11)	Conditional Operator gives the result for a 1 = 97 ? 10 : 20 ;
	(A) 10 (C) 30 (D) 10x
(12)	Which of the following is NOT valid case statement in switch :
	(A) Case O: (B) Case - 1: (Case 'A': (D) Case "A":
(13)	A loop whose condition never becomes false is called:
	(A) Infinite Loop (B) Continuous Loop (C) Running Loop (D) Fast Loop
(14)	The Scope of a variable refers to its:
	(A) Name (Accessibility (C) Length (D) Data Type
(15)	If a file is closed by fclose () function properly, then fclose () function return:
	(A) NULL (B) 1 (D) -1

Visual Basic

(7)	Which places an executable file in memory:			
	(A) Compiler (B) Linker (C) Loader (D) Debugger			
(8)	Which of the following is a reserved word:			
	(A) Int (B) IF (C) For (D) While			
(9)	You can enter data in a control only when it has :			
	(A) Tab Order (B) Focus (C) Mask (D) Color			
(10)	Methods Characterize an object's:			
	(A) Style (B) Appearance (C) Behavior (D) Value			
(11)	The naming Prefix for a label control is:			
	(A) Lab (B) 1 b1 (C) 1 be (D) 1			
(12)	Which method removes a form from the screen and from memory:			
	(A) Show (B) Hide (C) Load (D) Unload			
(13)	A Loop whose Condition never becomes false is called :			
,	(A) Infinite Loop (B) Continuous Loop (C) Running Loop (D) Fast Loop			
(14)	The Scope of a variable refers to its:			
	(A) Name (B) Accessibility (C) Length (D) Data Type			
(15)	The Trigger the timer event once every second, set the interval properly to:			
\13/				
party const. We provide the best	(A) 10 (B) 100 (C) 1000 (D) 10000			

Bahawalpur Board-2024



•	Roll No.	L.K.No. 1469 -2500 Inter (Part - II)	Session
			(2020 – 22) to (2022 – 24)
	Computer Science	Inter (I st – A – Exam – 2024)	Time 2:10 Hours Marks: 60
	(Subjective)		

Note: Section – I (MS – ACCESS) is compulsory for all candidates and candidates have to attempt any (06) parts from Q.No.2. Attempt any (6-6) parts of Q.No.3 and Q.No.4 that consists of two parts i – e C – Language and Visual Basic. The Candidates have to attempt any one from these i – e either C – Language or Visual Basic. While attempt Section – II and Section III according to given instructions.

Section - I

(MS-ACCESS)

 $18 \times 2 = 36$

Q.No.2	(i)	Define Database.
	(ii)	From the information given below, construct a table and find a suitable primary key
	E	PHYSICIAN (Ph_Code , Ph _ Name , Address , Mobile No , Age).
	(iii)	What is an Entity?
	(iv)	Describe views in Database.
	(v)	Write the names of any two Data Distribution Strategies.
	(vi)	Define Functional Dependency.
	(vii)	What are Macros in MS Access?
	(viii)	Differentiate between Sorting and Filtering.
	(ix)	Describe Columnar Reports.

(C-Language)

Q.No.3	(i)	Define Type Casting and its Types.	(ii)	Write the following expression in C language: n = 5mz ²
	(iii)	Find errors in the following Code: int a; b; a = 10; b = 5; printf ("%d"; a + b);	Sivi	Predict the output of the following Code Segment: printf ("I \ t\ n LOVE \ t\t\n PAKISTAN");
	(v)	Determine the output of the following Code Segment: int x, y, sum; x = 5; y = 10; sum = x+ y; printf ("Sum = %d", Sum);	According New Ac	Find errors in the following Code segment: # include (Stdio . h) main () char a = 'b'; print ("% C", a); }
	(vii)	Name Four Escape character provided by C.	(viii)	Define Text Stream .
	(ix)	What is a String?		

(Visual Basic)



Q.No.3	(i)	Write the purpose of the statement	(ii)	Describe Code Window.
		" Unload me".		
	(iii)	Differentiate between Run Time and Break Time.	(iv)	How are controls placed on a form in Visual Basic ?
	(v)	What are Keyboard Events in V. B?	(vi)	Define Label Control.
	(vii)	What is the Concept of methods in Visual Basic ?	(viii)	What is the purpose of "name " property of Control?
	(ix)	How is picture removed at Run Time?		1

L.K.No 1469

(C - Language

Bahawalpur Board-2024

/ :::) What is User – Defined Function? (viii) Discuss any two benefits of Function.	Q.37b.4 (i) (iii) (v)	Convert the following loop into for loop: i = 10; while (i <= 20) { printf ("Loop"); i++; } Define the purpose of Goto Statement. What is the output of the following Code: x = 7; While (x <= 15) { printf ("%d", x); x++;	(iv) (vi)	What is the Output of the following Code, when a = 1000 and b = 5000 If (a > b) printf ("a is larger"); else printf ("b is larger or equal"); Briefly describe the Selection Structure. Define the role of Local Variable.
(VII) What is osel - Delinea Falletion :	(vii)	What is User – Defined Function ?	(viii)	Discuss any two benefits of Function.

(Visual Basic)



Q.No.4	(i)	Describe the function of Input Box.		, - · · · · · · · · · · · · · · · · · ·
	(ii)	What is Lost Focus?	(iii)	Discuss the advantage of Concatenation.
	(iv)	What is Logical Operator?	(v)	When should you use FORNEXT Loop?
	(vi)	Draw flow chart of While Wend.	(vii)	Write the Syntax of do loop while.
	(viii)	Write output of following Code Segment:	(ix)	Which statement terminate do and for loop
		m = 1		early?
		do		$\mathcal{A}(\mathcal{S})$
		Print m * 2		
		m++	1	
		loop while $m < = 5$	1/23	

Section II (MS-ACCESS)

Note: Attempt any one of the following questions.

Q.No.5	What is Database ? Discuss different types of Database Models.		(80)
The second secon	What are Field Properties ? Define with example any three field properties of a table .	2+2+2+2=	(08)

Section III

Note: Attempt any two questions either from "C - Language or Visual Basic".

C - Language

Q.No.7	What steps C.P.U takes to execute language C-Program	? Briefly describe each.	(08)
Q.No.8	Write a Program in C Language that inputs temperature following data:	re and displays a message according to	(08)
	Temperature	Message	
	Greater than 35	Hot Day	
	Between 25 and 35 (inclusive)	Pleasant Day	
	Less than 25	Cool Day	
Q.No.9	Write a Program that inputs a number and Prints its Fa	ctorial.	(08)

Visual Basic

Q.No.7	Describe Various Data Types available in Visual Basic.		(08)
Q.No.8	Write a Program in V. B that inputs temperature and data:	lisplays a message according to following	(08)
	Temperature	Message	
	Greater than 35	Hot Day	
	Between 25 and 35 (inclusive)	Pleasant Day	
	Less than 25	Cool Day	
Q.No.9	Write a Program that inputs a number and Prints its Fa	ctorial.	(08)

DG Khan Board-2024

COMPUTER SCIENCE

PAPER CODE - 8835

12th CLASS - 1st Annual 2024

TIME: 20 MINUTES

MARKS: 15

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 marks in that question.

QU	ESTION NO. 1					
	NAC	S-ACC	TCC			
1	The output of the query is in the form of a)-ACC				
	(A) Table (B) Form (C) Report (D) List					
2	How many table views are available in Microsoft A	Access				
	(A) 1 (B) 2 (C) 3 (D) 4					
3	A collection of related fields is called	~				
4		Record				
. •	Which of the following is not a type of database ke (A) Public (B) Primary (C) Foreign		Secondary			
5	In an ER diagram, a diamond represents	(1)	occondary			
	(A) Attribute (B) Relationship (C) Entity	(D) F	LOS TO A S			
6	Which form of dependency is removed in 3NF?		pakcity.org			
	(A) Full (B) Functional (C) Transitive (I	O) Part	ial			
	C-LANGUAGE	OR	VISUAL BASIC			
7	3371and	_	Image control bald1:11 .			
	What will be the value of y after executing the following statement	7	Image control holds a graphic that is assigned to property			
	y = (5 < 10) ? 5 : 10;		(A) Caption (B) Auto size (C) Picture (D) Text			
	(A) 5 (B) 10 (C) 510 (D) 15					
8	All of the followings are control statements	8	All Items in a list box can be cleared at once using			
	except	348	method			
	(A) Sequential (B) Repetition		(A) Remove item (B) Delete (C) Finish (D) Clear			
9	(C) Selection (D) Float	0.	Vou can enter date in a control enter when it has			
9	Which of the following symbol is used at the end of case statement	9	You can enter data in a control only when it has (A) Control (B) Focus (C) Mask (D) Tab order			
	(A); (B) end 1 (C):		(11) Control (13) I ocus (C) Iviask (13) I ao oluci			
10	The first line of function definition is known as	10	Forms and controls are collectively recognized as			
	(A) Arguments (B) Function body	ALLA	(A) Properties (B) Method (C) Object (D) Events			
	(C) Return type (D) Function header					
11	An array subscript should be	11	The naming prefix for a label control is			
	(A) float (B) int (C) double (D) string	10	(A) lable (B) la (C) lb (D) lbl			
12	.exe is produced by	12	Variables name cannot begin with (A) Number (B) Uppercase			
	(A) Loader (B) Interpreter (C) Linker (D) Debugger	akc	(C) Lowercase (D) Underscore			
13	The number of bytes used by float data type in	13	The long data type in VB occupies bytes			
15	C-language is		(A) 1 (B) 2 (C) 4 (D) 8			
	(A) 1 (B) 2 (C) 3 (D) 4					
14	Which of the following operator has lowest	14	A loop within a loop is called			
	precedence?		(A) Nested (B) Complex (C) Outer (D) Sentinel			
	(A) = (B) + (C) * (D) ()	4 10	:			
15	If int $a = 5$, then the statement	15	(A) Do while (B) While wend			
	printf (" % 4 d", a) will display		(C) Do until (D) Do loop while			
	(A) [] 5[]] (B) 5[][] (C) [][] 5 (D) "5"					

DG Khan Board-2024

COMPUTER SCIENCE

12th CLASS – 1st Annual 2024 <u>SUBJECTIVE</u> SECTION-I

TIME: 2.10 HOURS

MARKS: 60

MS ACCESS

QUESTION NO. 2 Write short answers to any Six (6) of the following parts

 $6 \times 2 = 12$

- (i) Define record with example
- (ii) What is Alternate key?
- (iii) How many attributes and records are contained in the following relation?

Stud. No	Stud. Name	Gender	DOB
641	Ali	Male	12/01/2005
642	Taha	Male	29/05/2007

- (iv) Define relationship
- (v) What is the purpose of database design process?
- (vi) What is homonym?
- (vii) What is MS Access?
- (viii) Write the use of input mask?
- (ix) Why are sub form used?

QUESTION NO. 3 Write short answers to any Six (6) of the following questions

 $6 \times 2 = 12$

C-Language

- (i) What are standard identifiers?
- (ii) Convert the expression $A = PiR^2$ in C-language expression
- (iii) If x = 2 give output of following statement
 Printf("%d",++x);
 Printf("\n%d",x++);
- (iv) Write syntax of printf() function
- (v) Indicate the errors in following code;

int main (void) {
 const int pi = 3.1415;

int R:
PRINTF(" % f " * R);

}

(vi) What is the output of following code

int x = 32;

int y = 4;

printf ("% d and % d is % d", x, y, x % y);

(vii) Indicate errors in the following code;

int x, y;

0=x=y;

x+++;

printf (' % d', x + y);

- (viii) Define a stream in C-Language
- (ix) Differentiate between "w" and "w+" modes to open a file in C-Language

OR <u>Visual Basic</u>

- (i) Write the purpose of project explorer window
- (ii) Visual basic is known as event driven programing language, why?
- (iii) What is the purpose of option explicit statement?
- in visual basic
- (v) What are intrinsic controls?
- (vi) Why we use a label control?
- (vii) What is difference between linking and embeading?
- (viii) Write the purpose of "Large change" and "Small change" properties of scroll bar
- (ix) What is the purpose of "passwordchar" property of text box?



QUESTION NO. 4 Write short answers to any Six (6) of the following parts

 $6 \times 2 = 12$

C-Language

- (i) How are instructions executed in sequential structure?
- (ii) Predict the output of the following
 int price = 19;
 if (price ! = 10)
 printf (" price ");
- (iii) Define loop
- (iv) Convert the following do while loop into for loop
 int c = 2;
 do
 printf ("%d",c);
 while (c++<=5);</pre>
- (v) Predict the output of the following code segment int x = 5, y = 3; do

 { x = x * 2; y = y + 2;
 }

 while (y < 10);
- printf("%d",x);
 (vi) List any two benefits of using function
- (vii) Define function body
- (viii) How long the global variable exist in a memory?
- (ix) Compare local and global variable

OR

Visual Basic

- (i) Define constant
- (ii) Write down two rules to give name to the variable
- (iii) Why is it important to declare variable before use?
- (iv) Distinguish between IF-Then-Else and Select-Case statement
- (v) In Visual Basic how select case help you in coding
- (vi) How nested IF is used in VB
- (vii) Distinguish between counter control and sentinel control loop
- (viii) Give an example of nested loop
- (ix) Distinguish between While-wend and Do-while loop



SECTION-Y (MS - ACCESS)

Note: Attempt any one question

Q.5. What are database anomalies Discuss its three types

Q.6. Explain any four data types available in MS-Access

 $(2 \times 8) = 16$

SECTION-III

Note: Attempt any two questions.

C-Language

- Q.7. What is programming language? Discuss two main categories of programming languages
- Q.8. Write an interactive program that contains an if statement that may be used to compute the area of circle (area = πr^2) or the circumference of circle (circumference = $2 \pi r$) after prompting the user to type the first character of the formula name (A or C)
- Q.9. Write a program in C-Language that display product of all even numbers between 2 to 20 by using loop

OR

Visual Basic

- Q.7. What is programming language? Discuss two main categories of programming languages
- Q.8. Write an interactive program that contains an if statement that may be used to compute the area of circle (area = πr^2) or the circumference of circle (circumference = $2 \pi r$) after prompting the user to type the first character of the formula name (A or C)
- Q.9. Write a program in VB that display product of all even numbers between 2 to 20 by using loop

5

Faisalabad Board-2024

Objective Paper Code

8831

Intermediate Part Second

Computer Science (Objective)

Time: 20 Minutes Marks: 15

Roll No.:

Q.No.1

You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.

(MS-Access)

S.#	Questions	A	В	C	D
1	Storage and retrieval of data is related to:	Data capturing	Data manipulation	Managing output results	Data sorting
2	An attribute is also known as:	Record	Row	Relation	Field •
3	Organizing the database in computer storage is done in:	Logical design	Physical design	Analysis	Implemen- tation
4	A functional dependency is a relationship between two:	Entities	Relations	Rows	Attributes
5	A database consists of various components called:	Objects •	Properties	Tools	Entities
6	The degree of relation refers to the number of:	Rows	Tables	Fields	Columns

pakcity.org (C-Language OR Visual Basic)
(C-Language)

7	The target code produced by the compiler is:	Object code	Source code	Library	Linked code
8	The symbols that perform operations on data are called:	Syntax	Operands	Operators	Rules
9	An ampersand before the name of a variable in scanf () function denotes:	Address	Actual value	Format	Data type
10	Format specifier %5d for the value 8135 will produce the output:	8/35	□8135 ●	<u>8135</u>	8135
11	The case block ends with:	End select	End case	Case else	Break
12	If $X = 5$ and $Y = 3$, the expression (X > Y) ? (X + Y) : (X - Y); will display output as:	8	2	0	-2
13	The do-while () loop structure always ends with:	Comma	Colon	Break	Semi-colon
14	The scope of variable refers to its:	Length	Name	Accessibility	Data type
15	On successfully closing a file the fclose () returns:	Null	Zero	One	File pointer

(Visual Basic) OR The step-by-step procedure to solve a problems is Flowchart Programming Control Algorithm 7 called: The bar that contains command needed to work Scroll Bar Menu Bar Title Bar Status Bar 8 with Visual Basic is called: Program Output Condition The diamond symbol in a flowchart indicates: Input 9 Control used to display text or to accept user input Property Button Textbox Label 10 is called: Objects Forms and controls are collectively recognized as: Properties **Events** Methods 11 Divide Multiply Add Compare Relational operators are used to: 12 Form property that displays text in the title bar of Caption Border text Title Header 13 the form is: In Visual Basic, which statement indicates the end End if Else End Next 14 of a decision structure? Which language is used for solving business Assembly **FORTRAN** COBOL C++ problems?

Faisalabad Board-2024

Intermediate Part Second

Computer Science (Subjective)

Time:	02:10	Hours
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SECTION – I

2. Write short answers to any SIX parts.

(MS-Access)



Roll No.

What is data dictionary? (i)

1217-XII124

(ii) Let you have a relation STUDENT in your database, such that STUDENT (Coll, Col2, Col3, Col4, Col5) create a view on first and last attribute of STUDENT.

What is data administrator? (iii)

What is recursive relationship? Give an example. (iv)

- Write any two disadvantages of "Centralized" data distribution strategy. (v)
- Define transitive dependency. (vi)
- What is redundancy?
- (viii) What is the main purpose of wildcards?
- Differentiate between check boxes and radio buttons.

3. Write short answers to any SIX parts.

12

12

Define variable. (i)

Find any two errors: (iii)

```
int a = 10, b = 40,
printf ("Sum = :", a * b)
```

- What is meant by format string? (v)
- Write the output of the following code: printf ("Escape sequence is a

" cool \ "feature of

\'C-language\' ");

float i = 15.6; printf ("%d", i),

Find output;

Describe End-of-File (EOF). (vi)

What is an array?

Find any two errors:

printf ("Result = %d", a % b);

Void main ();

Write the statement in C-language: "Marks are between 40 and 60" (ix)

Visual Basic) OR

(C-Language)

(iv)

(viii)

- (i) Define property in VB.
- Describe code window. (iii)
- What are keyboard events in VB? (v)
- Define label control. (vii) How does two groups of option buttons work independently?
- What is the purpose of control naming conventions?
- Differentiate between runtime and break time.
- (vi) Write the purpose of the statement 'unload me'.
 - (viii) What is the purpose of a form?

4. Write short answers to any SEX parts.

12

Define "switch" statement. (i)

Predict the output of the following code segment: (iii)

```
int x = 2, y = 1, z = 5;
if (x > y & y > z)
printf ("YES");
else
printf ("NO");
```

(v)

Write the use of actual parameters.

List different types of functions in C.

Predict the output of the following code segment:

```
int i = 5;
do
printf ("PAKISTAN");
i = i - 1;
while (i > 0);
```

C-Language) Write the syntax of "do-while" loop.

(iv) Convert the following loop into do-while loop:

```
int i = 1;
while (i <= 15)
printf ("PUNJAB");
i++;
```

Define function body.

(viii) How is a function activated?

Faisalabad Board-2024

- 2 -

OR	(Visual	Basic)
	(, 10000	

(i) Define infinite loop in VB.

(ii) Define string data type in VB.

(iii) Write the syntax of Msgbox.

- (iv) How select --- case helps in coding?
- (v) What is default property of command button?

(vi) Define goto statement in VB.

(vii) Differentiate between pretest and post test loop.

(viii) What are legal characters of a identifier?

(ix) Write the syntax of For --- Next loop.

SECTION - II

Each question carries 08 marks.



(MS-Access) Attempt any ONE question from the following:

- 5. Briefly describe four disadvantages of database systems.
- 6. What is query? Discuss its uses and advantages.

Attempt any TWO questions either from C-Language OR Visual Basic

7. What is basic structure of C-program? Explain its different parts briefly.

02,02,02,02

8. Write a program in C-language that inputs marks of a student and displays his high grade according to the given criteria:

 Marks
 >=90 80-89 70-79 60-69 40-59 <40

 Grade
 A
 B
 C
 D
 E
 F

9. Write a program that displays first five numbers with their cubes using loop:

Output 1 1 2 8 3 27 4 64 5 125

(Visual Basic)

7. What are VB common controls? Explain any three common controls of VB.

02,02,02,02

8. Write a program in Visual Basic that inputs marks of a student and displays his high grade according to the given criteria:

Marks	>=90	80 - 89	70 - 79	60 - 69	40 - 59	< 40
Grade	A	В	C	D	E	F

9. Write a program in VB that displays first five numbers with their cubes using loop:

Output 1 1 8 8 3 27 4 64 5 125