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) Strpey (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

(2)

(Visual Basic)

≈ pa	akcity.or	9
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	ccept :			
	(A) Property (B) Label	(C) Text box	(D) Button		
12	If number of iterations are not known in advan	ce, the suitable progran	nming structure is:		
		Jntil			
	(C) For Each Next (D) For While				
13	In Visual Basic, a form is another name for a (n) : 1			
	(A) Object (B) Property	(C) Label	(D) Window		
14	How many bytes are occupied by long data type	e 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		
- Common					

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?	
4	(iii) Write the purpose of input box and text box.	
15	(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?	
<i>(</i> 1)	viii) Differentiate pre-test and post-test loop.	
Ì	(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
5. 6	Explain any four data types available in MS-Access.	{
0.	SECTION – III	
	te: Attempt any TWO descriptive answers (either from "C-Language" or from	
No	te: Attempt any I wo descriptive answers (cital I following augustions.	
	(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.	Write a program that produces the following output using loop:	
	Number Square Root	
	$\frac{1}{2}$ $\frac{1.00}{1.41}$	
	1.41 1.73	
	2.00	
	2.00	
	pakcity.org	
	OR	
	(Visual Basic)	
7.	Briefly describe characteristics of high level programming language.	Ŷ
8.	Write a program in Visual Basic that inputs a character and displays whether it is	
٠.	vowel or consonant.	
9.	1 C 11 view a contensat argin a 1000 '	9
•	Number Square Root	
	0.00	
	1.00	
	2	
	1.73 pakcity.org	
	4	
	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

(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)

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

R	oll No	Lahore Board-2023 (To be filled in by the candidate)
	011 110	(Academic Sessions 2019 – 2021 to 2021-2023)
		PUTER SCIENCE 223-1 st Annual-(INTER PART – II) Time Allowed: 20 Minutes PER – II (Objective Type) PAPER CODE = 8831 Maximum Marks: 15
N	ote :	Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling
		two or more circles will result in zero mark in that question.
١	MS-	-ACCESS) a pakcity.org
	1-1	A collection of raw facts and figures is called:
		(A) Knowledge (B) Information (C) Processing (D) Data
	2	Which of the following is not a type of database key:
		(A) Primary key (B) Public key (C) Secondary key (D) Foreign key
	3	Customers, cars and parts are example of:
		(A) Entities (B) Attributes (C) Cardinals (D) Relationship
	4	Different attributes in two different tables having same name are called:
		(A) Synonym (B) Homonym (C) Acronym (D) Mutually exclusive
	5	The number of records in a relation is called the of the relation:
		(A) Cardinality (B) Degree (C) Domain (D) Range
	6	All of the following are form layout except:
		(A) Tabular (B) Columnar (C) (C) Justified (D) Relationship
		C-Language OR Visual Basic
(C-Lan	aguage)
	7	The extension of C source program is:
		(A) .h (B) .obj (C) .c (D) .exe
	8	Void occupy how many bytes in memory:
		(A) Zero (B) One (C) Two (D) Four
	9	All keywords in C are written in pakeity.org
		(A) Upper case (B) Title case (C) Lower case (D) Camel case
	10	The number of bytes used by float data type in C is:
		(A) Zero (P) 1 (C) 2 (D) 4
	11	Variables are created in:
		(A) RAM (B) ROM (D) Cache
	12	•
		(A) stdio.h (B) conio.h (C) math.h (D) inout.h

Another name for built-in function is:

13

14

15

(A) 1

(A) User-defined

(C) 3

(C) Custom-made

(D) { }

(D) 4

(D) Customized

A compound statement refers to a group of statements enclosed in :

(A) () (B) [] (C) <> How many types of loop structures are available in C:

(B) 2

(B) Library

Vienal	Basic)
V ISUAL	Dasic



1. 7	Variable names can not b	pegin with a (n):		
	(A) Upper case letter (B) Lower case letter	(C) Number	(D) Underscore
8	How many bytes are occ	upied by integer data ty	pe in VB:	
	(A) 4 (B) 8	(C) 12	(D) 16
9	The expression 100 mod	33 has a value equal to	:	
	` '	(B) 0	(C) (I)	(D) 2
10	Which programming stru	cture executes program	statements in order	:
	(A) Repetition	(B) Decision	(C) Iterative	(D) Sequence
11	In VB, which statement i	ndicates the end of deci	ision structure:	
	(A) END IF	(B) END	(C) ELSE	(D) NEXT
12	All of the following are r	elational operators exce	ept:	
	(A) &	(B) < > EDU	(C) = N	(D) >=
13	A loop within loop is cal	led:	New York	
	(A) Outer loop			(D) Nested loop
14	One execution of a loop i	is known as : pak	city.org	
		(B) Test	(C) Iteration	(D) Duration
15	If number of iterations ar	e known in advance, the	e suitable programm	ing structure is:
	(A) Do loop until	(B) ForNext	(C) While wend	(D) Do until loop

ahore Board-2023. Roll No (To be filled in by the candidate) (Academic Sessions 2019–2021 to 2021-2023, COMPUTER SCIENCE 223-1st Annual-(INTER PART – II) Time Allowed: 2.10 hours Maximum Marks: 60 PAPER – II (Essay Type) SECTION - I (MS-ACCESS) 2. Write short answers to any SIX (6) questions : 12 (i) Differentiate between data and information. (ii) Define the term table or relation. (iii) What do you mean by redundancy? (iv) Define referential integrity. (v) List any two advantages of reports. (vi) Define sorting. (vii) State the use of wild cards. (viii) How is combo box used? (ix) Write down two responsibilities of database administrator. C-Language 3. Write short answers to any SIX (6) questions : 12 (i) Define unstructured programming. (ii) What is constant macro? (iii) Describe linker. (iv) What are syntax errors? (v) Give two examples of standard (vi) Rewrite the expression a + + without using identifiers. increment operator + + (vii) Find errors in the following code. (viii) Determine the output of the following code int a = 5: segments. int double = 20; int x = 7; printf("Result = % d", double) int y = 3; printf ("%d and %d ", x / y, x % y); (ix) How a file is closed? OR (Visual Basic) 3. Write short answers to any SIX (6) questions 12 (i) Define unstructured programming. (ii) What is flowchart? (iii) Describe interpreter. (iv) What are syntax errors? (vi) List down any two rules for naming variables. (v) What is meant by an assignment operator? (vii) Define properties window in VB. (viii) Write the syntax of input box in VB. (ix) Differentiate between source code and object code. C-Language 12 4. Write short answers to any SIX (6) questions: (i) Why format specifiers are important (ii) What is the use of getch () function? to be specified in I / O operation? (iv) Determine the output of the following code: (iii) Predict the output of the following code: int x = 10; int m, n, k; (x % 2 = = 0? printf("Even"): printf("odd"));m = 15; n = 20;k = m + n: printf ("k = % d", --k); (v) What are the limitations of simple if statement? (vi) Convert "speed is not greater than 65" into a C-language expression. (vii) Write down the uses of loop. (viii) What is the use of goto statement? (ix) Convert the code given below in do-while: int m = 10; for (m = 8; m > = 1; m - -) pakcity.org printf ("%d", m % 2); OR (Visual Basic) 12 4. Write short answers to any SIX (6) questions : (i) What is meant by sequence structure in VB?

(Turn Over)

(ii) Write down limitations of if--- then structure.

4. (iii) Define loop. Write two uses of loop. (iv) What is the use of NOT operator? (v) When should Do --- Until loop be used? (vi) Define array, element and subscript. (vii) How would you narrate array manipulation? (viii) How does an option button differ from check box? (ix) What is the purpose of the statement "Unload Me"? SECTION - II (MS ACCESS) Attempt any ONE question. 5. What is file processing system? Discuss any three problems in traditional file processing approach. 8 What is database design? Briefly explain the database design process with the help of diagram. 8 SECTION - MA Note: Attempt any TWO descriptive answers (either from "C-Language" or from "Visual Basic") of the following questions. (C-Language) 7. Explain multiple "if-else" statement with example. Write down its syntax. Also draw its flow chart. 8 8. Write a program that prints the following series using loop: 8 19 16 13 10 7 9. Write a note on the following: (a) Local variable scope and life time. (b) Passing parameters to function in C. OR (Visual Basic) 7. Explain extended if--then--else structure with example? Write down its syntax. Also draw its flow chart. 8. Write a program that prints the following series using loop: 19 16 13 10 7 4 1 9. Write a note on the following: (a) Local variable scope and life time. (b) Passing parameter to functions in VB. 189-223-(Essay Type)-36000

(2)

Roll No _	Lahore Board-2	022 (To be filled in	by the candidate)	
Q. PAPE	TTER SCIENCE R - II (Objective Type)	PAPER CODE =	- II) Time A 8831 Maxim	llowed: 20 Minutes um Marks: 15
f	our possible answers A, B, C ill that circle in front of that wo or more circles will result	t question with Marker or	Pen ink in the answer-bo	ch you think is correct, bok. Cutting or filling akcity.org
(MS-	ACCESS)			akony.org 🚜
1-1	Which of the following t	ype of file require larges	st processing time:	
	(A) Sequential file	(B) Random fi	le	
	(C) Indexed sequential:	file (D) Direct acce	ess file	
2	CREATE command is us	sed to create a:		
	(A) Table	(B) Form	(C) Report	(D) Query
3	In ERD model, the relati	onship between two enti	ties is represented by a	· :
	(A) Diamond symbol		(C) Oval symbol	(D) Line
4	In relational database, a t	table is also called:		v.
	(A) Tuple	(B) Relation	(C) File	(D) Cell
5	A database consists of va	arious components called		KONDYSHI SHADOYISHI BI
	(A) Tool	(B) Properties	(C) Entities	(D) Object
6	How many table views a	re available in MS Acce	23 /10	
	(A) 1	(B) 2	^{>♥} (C) 3	(D) 4
	C-Language	OR Visual Basic		
(C-Lang		000	X 30	
7	Turbo C + + can compile	Moo		
1	(A) C++ programs on	y (B) C and C+	+ programs	
1	(C) Turbo C programs		+ + programs	
8	Which of the following k	cey is used to save a file	Newton's And Medicin	
	(A) F2	(B) F3	(C) F4	(D) F5
9	The logical not operator,		the state of the s	
	(A) Ternary operator	(B) Unary operat		
	(C) Binary operator	(D) Bitwise opera	itor	
10	Single line comment star	t with:		
	(A) #	(B) //	(C) *\	(D) /*
11	a + = b is equivalent to :			
	(A) b+a	(B) $a = + b$	(C) $b = b + a$	(D) $a = a + b$
12	Which of the following i	s the simplest form of a		E SOSSON
	(A) If Statement	(B) Switch	(C) If-else-if	(D) Nested if

(C) Header files

(C) Center

(C) 1 (one)

Image files

Body

(D) file pointer

(D)

(D)

Function prototypes for built-in functions are specified in:

On successfully closing a file, the fclose () returns :

(B) Object files

(B) Header

(B) 0 (zero)

The set of statement in curly braces in a loop is known as --- of the loop:

13

14

15

(A) Source files

(A) Null

(2)

Lahore Board-2022 pakcity.org

(Visual Basic)

_					
1. 7	The step-by-step procedure to solve a problem is called:				
	(A) Programming language	(B) Algorithm	(C) Flowchart	(D) Program	
8	The rectangle symbol in a flor	wchart indicates:			
	(A) Condition	(B) Process	(C) Input	(D) Output	
9	Visual Basic is a product of:				
	(A) IBM	(B) Microsoft	(E) Sun System	(D) Hewlett	
10	In Visual Basic, a form is ano	ther name for a (n)	1:0		
	(A) Object	(B) Window	(C) Property	(D) Label	
11	Methods characterize an object				
	(A) Appearance	(B) Value	(C) Style	(D) Behaviour	
12	Backcolor, enabled and foreco	lor are examples of	:1: 30	35	
7	(A) Properties	(B) Objects	(C) Methods	(D) Parameters	
13	Which data type is used to har	ndle a Yes or No res	ponse :		
	(A) Short	(B) Integer	(C) Boolean	(D) Date	
14	In Visual Basic, which keywo	rd indicates the start	ing point of a decision	n structure :	
	(A) Then	(B) Start	(C) Else	(D) If	
15	The keyword that marks the en	nd of a Do Structure	is:		
	(A) End do	(B) Loop	(C) Exit loop	(D) Exit do	

189-222-(Objective Type)- 9000 (8831)

PAPER (i) (iii) (v) (vii) (ix)	PUTER SCIENCE 222-(INTER IS 2 - II (Essay Type) SECTION IS-ACCESS) ite short answers to any SIX (6) question What is entity? Give an example. (ii) Explain implementation (iv)	PART Ons: Write List Ho Wh	Maximum Marks: 60 pakcity.org te the responsibilities of data administrator. t any four components of physical database design w partial dependency is differ from transitive dependence at is check boxes and radio buttons?	12 m.
3. Wr	ite short answers to any SIX (6) question	ons :		12
(i) (iii)	Define statement terminator. Write the following statements as single statement. int $x = 5$; int $y = 10$; int $z = 15$;	(ii)	Differentiate between source code and object co. Find the errors in the following code segment. int x , y , sum, z = x + y; printf ("sum = %d", z);	de.
(v) (vii)		(vi) viii)	Write the syntax of print function. Trace the errors in the following code segment void main () { printf (OK)	t.
(Visual	Predict the output of the following code int n, a, b; n = 400; a = n% 100; b = n / 10; n = n% 10; printf ("Result = %d %d %d", n, b, a OR Basic));	UCATION Anata Manage M	12
	ite short answers to any SIX (6) question		Find the amounts the system	12
(i)	Why would a programmer prefer to use high level language?	(ii)	Find the error in the syntax private Sub Object Name- Dblclick () Statements: endsub; end	
(iii)	What is the purpose of language processor?	(iv)	Write the use of option explicit statement in VB.	
(vii)	it would be used?	viii)	How can the user continue a very long basic statement to another line? Write three steps for creating VB projects. nage?	
C-La	nguage			
	ite short answers to any SIX (6) question	ns :		12
(iii)	Define compound statement. Predict the output. int a = 1, b = 5; if ((a+b)<6) printf ("%d",b); printf ("%d",a+b);		 (ii) Define while loop. (iv) Predict the output. int a; for (a = 1; a <= 10; a + +) printf ("% d", a); 	

4. (v) Convert the given program in do-while loop. int i; for (i = 3; i < = 39; i + = 6);printf (" % d \ n ", i); (vi) What is function? (vii) Define local variable. (viii) Differentiate between Built-in functions and user define functions. (ix) What is text stream? OR (Visual Basic) 12 4. Write short answers to any SIX (6) questions: (i) Define selection structure (ii) What is Select --- Case statement? (iii) Write the syntax of IF---Then---Else statement. (iv) Find the output of given code. a = 6b = 7if (a > b) then print a (v) What is post test loop?

(vi) Re-write the given statement in while---wend for i = 1 to 10 print i

Next

vii) Enlist two types of many the statement in while---wend given statement in while----wend given statement in while----wend given statement in while----wend given statement in while-----wend given statement (viii) What is standard code module? (ix) Differentiate between Exit Sub and Exit function. SECTION - II (MS ACCESS) Note: Attempt any ONE question. 8 5. What is File? Explain File types from storage point of view. 6. How would you define a table? Also write characteristics of tables. SECTION - III Note: Attempt any TWO descriptive answers (either from "C-Language" or from " Visual Basic") of the following questions. (C-Language) 7. What is meant by programming language? Discuss different types of programming languages. 8 8. Write a program that inputs three numbers and displays the maximum number by using if-else, 8 if statement. 9. What is for loop? Write down syntax and working of for loop with example. 8 pakcity.org OR (Visual Basic) 7. What is meant by programming language? Discuss different types of programming languages. 8 8. Write a program in VB that inputs three numbers and displays the maximum number by using 8 nested if statement. 9. What is for next loop? Write down syntax and working of for next loop with example. 8 189-222-(Essay Type)-36000

(Academic Sessions 2017 - 2019 to 2019-2021)

COMPUTER SCIENCE

221-(INTER PART - II)

Time Allowed: 20 Minutes

Q. PAPER – II (Objective Type)

PAPER CODE = 8833

Maximum Marks: 15

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question. pakcity.org

(MS-ACCESS)

1-1	In the relational model, is the basic structure in which data is stored:				
	(A) Attribute	(B) Record	(C) Table	(D) Form	
2	Different attributes is	n two different tables l	naving same name are re	eferred to as :	
	(A) Synonym	(B) Homonym	(C) Acronym	(D) Mutually exclusive	
3	Insert command is us	sed to insert:			
	(A) A new table	(B) A new record	(C) Dependencies	(D) A new query	
4	Customers, cars and	parts are examples of	:		
	(A) Entities	(B) Attributes	(C) Cardinals	(D) Relationships	
5	The manipulated and	l processed data is call	ed :		
	(A) Object	(B) Information	(C) Knowledge	(D) Data	
6	A database consists of	of various components	called the		
	(A) Tool	(B) Properties	(C) Entities	(D) Object	

(C-Language)

7	The symbol '=' represents:				
	(A) Comparison operator Assignment operator				
	(C) Equal to operator (D) Terminal operator				
8	An if statement inside another if statement:				
	(A) if statement (B) inside if (C) Nested if statement (D) Mid if				
9	Escape sequence \\ is used to print :				
	(A) New line (B) Backslash (C) Space (D) Tab				
10	A loop inside the body of another loop:				
	(A) while loop (B) for loop (C) Nested loop (D) Infinite loop				
11	Void occupy how many bytes in memory:				
	(A) Zero (B) One (C) Two (D) Four				
12	Formal arguments are also called:				
	(A) Actual arguments (B) Dummy arguments				
	(C) Original arguments (D) Referenced arguments				
13	Which of the following operators has lowest precedence:				
	(A) ! (B) + (C) = (D) ==				
14	getch () is a part of :				
	(A) stdio.h (B) conio.h (C) math.h (D) string.h				
15	Preprocessor directives are commands for :				
	(A) Microprocessor (B) Language processor (C) C preprocessor (D) Loader				

189-221-(Objective Type)- 8625 (8833)

(To be filled in by the candidate) (Academic Sessions 2017-2019 to 2019-2021) Roll No COMPUTER SCIENCE 221-(INTER PART – II) Time Allowed: 2.10 hours Lahore Board-2021 Maximum Marks: 60 PAPER – II (Essay Type) SECTION - I (MS-ACCESS) 12 2. Write short answers to any SIX (6) questions : (i) Who is user/end user? (ii) Define secondary key. (iii) Define the term feasibility study. (iv) List ingredients of data modeling. (v) What is Microsoft Access? (vi) What is database wizard? (vii) Define the term degree of relation. (viii) List three methods for creating table. (ix) Write any two uses of reports. pakcity.org C-Language 3. Write short answers to any SIX (6) questions : (i) Describe linker and loader. (ii) What is structured programming language? (iv) Define identifier. (iii) Write the purpose of compiler. (v) What do you mean by keyword? (vi) Differentiate between declaring and defining a variable. (vii) Find the error in the following (viii) What is the output of the following code: code segment: int a, b, c; a = 10; int a, b; a = -10;b = 3; if (a < 0); if(a%b = = 1)b = a * a; c = 0; printf ("Result = % f", b) else c = 1: printf ("G (ix) Predict the output of the following code: int price = 10; if (price ! = 10) price = 0else price + = 2; C-Language 4. Write short answers to any SIX (6) questions : 12 (i) What is the use of getch "function? (ii) Why is the ampersand character (&) used in scanf function? (iii) Write the general form of printf function. (iv) Define nested loop. (v) Convert the following code into while loop. akcity.org for (int count = 1; count \leq 2; count ++) printf (" count "); (vi) Why is sentinel value used in loops? (vii) How many (maximum) values can a function return using return statement? (viii) What type of variables are declared outside any function? (ix) How is a file opened? SECTION - II (MS ACCESS) Note: Attempt any ONE question. 8 5. Write notes on any four of the following file types: (iii) Backup file. (ii) Transaction file. (i) Master file. (vi) Sequential file. (v) Data file. (iv) Program file. 8 6. Define functional dependency? How partial dependencies effect a relation? SECTION - III Note: Attempt any TWO descriptive answers from "C-Language" of the following questions. (C-Language) 7. Define an error. Describe the types of errors in C programming language. 8 8. Define "if-else-if" statement. Explain its working with syntax, flowchart and example. 8 9. Write a program to print odd numbers from 1 to 10 using while loop. 8 Please visit for more data at: www.pakcitv.ord

(Academic Sessions 2015 - 2017 to 2017-2019)

COMPUTER SCIENCE

219-(INTER PART - II)

Time Allowed: 20 Minutes

Q. PAPER – II (Objective Type)

PAPER CODE = 8837

Maximum Marks: 15

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question. pakcity.org 🖇

(MS-ACCESS)

1-1	Which of the following is not a database object:				
1	1				
	(A) Table (B) Query (C) Query Report (D) MS-Word				
2	Which of the following is used to describe the characteristics of an object:				
	(A) Attribute (B) Relationship (C) Cardinality (D) Modality				
3	Every relation should have:				
	(A) Primary key (B) Candidate key (C) Secondary key (D) Mutually ke	y			
4	The graphical query tool is known as :				
	(A) Query grid (B) Design grid (C) Query form (D) Design form	n			
5	Which of the following can be a primary key:				
	(A) Last name (B) Salary (C) Customer ID (D) Region				
6	SQL stands for :				
	(A) Sort Query Language (B) Self Query Language				
	(C) Seek Query Language (D) Structured Query Language				

C-Language OR

(C-Language)

7	The case block ends with	~ 1			
	(A) End Select	(B) End Case	(C) break	(D) Case Else	
- 8	The scope of variable refers to its:				
	(A) Length	(B) Name	(C) Accessibility	(D) Data type	
9	Semicolon is placed at t	the end of condition in	akcity org		
	(A) while loop	The state of the s		(D) All of these	
10	The function that is use	d to display output on	the screen is called:		
	(A) Printf	(B) Scanf	(C) Pow	(D) Display	
11	The output of the comp	iler is called:			
	(A) Library code			(D) Object code	
12	Variable and constant n	ame can not contain:			
	(A) Number	(B) Underscore	(C) Letter	(D) Period	
13	Which of the following	character is used to m	ark the end of string:		
	(A) \o	(B) /r	(C) \a	(D) \n	
14	Switch statement is an alternate of :				
	(A) nested if	(B) if-else	(C) nested if-else	(D) if	
15	Which loop structure al	ways executes at least	once ;		
	(A) do-while	(B) for	(C) while	(D) All of these	

(Visual Basic) pakcity.org

Lahore Board-2019

1. 7	Another term used for making a decision is:				
	(A) Sequential	(B) Repetition	(C) Selection	(D) Iteration	
8	A two dimensional ar	rray can view as:			
	(A) One column	(B) One row	(C) Row, column	(D) None	
9	If step keyword is not	t used in For Next	loop, counter variable is in	ncremented by :	
	(A) 0	(B) 1	(C) 10	(D) Unknown	
10	Which of the following	ng is a valid VB data	type:		
	(A) Boolean	(B) Array	Chint	(D) char	
11	Writing program in m	nachine language is			
	(A) Impossible	(B) Simple	(C) Time consuming	(D) Complex	
12	Use to declare var	iable in VB			
	(A) Event	(B) Identifier	(C) Sub	(D) Dim	
13	When no item is curre	ently selected in a list	box, the 'List Index' prop	perty is :	
	(A) -1	(B) +1	(C) 0	(D) Null	
14	For A = 4 and B = 4, which of the following evaluates to true:				
	(A) A <> B	(B) A < B	(C) $A > = B$	(D) A > B	
15	If number of iterations are not known in advance, the suitable loop is:				
	(A) DoLoop Until (B) For Next				
	(C) For each Next	(D) For W	Thile		

189-219-(Objective Type)- 7625 (8837)

(Visual Basic)	
4. Write short answers to any SIX (6) questions:	12
(i) What is the use of NOT operator?	
(ii) What is Select Case statement?	
(iii) Differentiate between TO and IS keywords in Case form.	
(iv) When should you use Do Until loop?	
(v) What is counter variable?	
(vi) How is subscript variable written?	
(vii) What is the use of dynamic array?	
(viii) List any two styles of combo box.	
(ix) What do you know about checkbox?	
pakcity.org SECTION - II	
(MS ACCESS)	
Note: Attempt any ONE question.	
5. Define ER Diagram. Explain it with the help of an example.	8
6. Discuss any four methods of modifying a table in MS Access.	8
SECTION - III	
Note : Attempt any TWO descriptive answers (either from "C-Language" or from	
"Visual Basic") of the following questions.	
(C-Language) EDUCATION	
7. Describe characteristics of High Level Language.	8
8. What is Switch Statement? Write its syntax, draw flow chart and explain its working.	8
9. Write a program that inputs a number from the user and displays the factorial of that number.	0
OR pakcity.org	
(Visual Basic)	
7. Describe characteristics of High Level Language.	8
8. What is Select Case structure? Write its syntax, draw flow chart and explain its working.	8
9. Write a program that inputs a number from the user and displays the factorial of that number.	8
189-219-(Essay Type)-30500	

Roll No Lahore Board-2018 (To be filled in by the candidate)							
(Academic Sessions 2015 – 2017 and 2016-2018)							
Q . 1	COMPUTER SCIENCE 218-(INTER PART – II) Time Allowed: 20 Minutes Q. PAPER – II (Objective Type) PAPER CODE = 8831 Maximum Marks: 15						
Not	Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct,						
		Il that circle in front of that yo or more circles will result			ok. Cutting or filling		
			in zero mark in mat que	suon.			
Ω	(MS -ACCESS)						
Γ	1-1	Which file is used to store	information that rema	ins constant for a long to	ime :		
		(A) Data file (B) Master file	(C) Transaction file	(D) Backup file		
Γ	2	An attribute is also known	n as:				
		()	B) Row	(C) Field	(D) Relation		
Ι	3	Which of the following is	used to associate entit	ies with one another:			
9.6		(A) Entity (E	3) Attribute	(C) Relation	(D) Relationship		
*	4	In 2NF, which form of de	pendency is removed	:			
*		(A) Partial (I	B) Non-functional	(C) Associative	(D) Transitive		
#	5	The output of a query is in		~(S)			
≸		(A) Form (I	B) Query	(C) Table	(D) Macro		
1	6	To find all names start wi	/				
#			(B) Like "My COLLING	(C) Like "M# "	(D) Like "M* "		
æ		(11) 2			8		
		C I amount as	OD Words Dagie	T - 6	D 1 O		
Ö.	Langi		OR Visual Basic	* 3/1	pakcity.org		
ф ф	Langu	nage)	Maly		pakcity.org		
y m ole d	Langu 7	The target code produced	by the compiler is:				
it for moles da		nage)	by the compiler is:				
visit for m ol r a da		The target code produced	the compiler is: (B) Source code	(C) Library code			
se visit for molip da	7	The target code produced (A) Object code Which of the following is	(B) Source code a valid character cons	(C) Library code			
oaso visit for m ore da	7	The target code produced (A) Object code Which of the following is	(B) Source code a valid character cons (B) '@'	(C) Library code	(D) Linked code		
Please visit for molip da	8	The target code produced (A) Object code Which of the following is (A) a The format specifier % f	by the compiler is: (B) Source code a valid character cons (B) '@' is used for:	(C) Library code	(D) Linked code (D) =		
Please visit for molip da	8	The target code produced (A) Object code Which of the following is (A) a The format specifier % f	(B) Source code a valid character cons (B) '@' is used for: (B) long	(C) Library code tant: (C) "c" (C) double	(D) Linked code (D) =		
Please visit for molip da	7 8 9	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int	(B) Source code a valid character cons (B) '@' is used for: (B) long	(C) Library code tant: (C) "c" (C) double	(D) Linked code (D) =		
Please visit for molip da	7 8 9	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what	by the compiler is: (B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the compiler is:	(C) Library code tant: (C) "c" (C) double he expression: x > y	(D) Linked code (D) = (D) float ? x + y : x * y;		
Please visit for mole da	7 8 9	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6	by the compiler is: (B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the compiler is:	(C) Library code tant: (C) "c" (C) double he expression: x > y	(D) Linked code (D) = (D) float ? x + y : x * y;		
Please visit for molip da	7 8 9	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of t	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10		
Please visit for mole da	7 8 9 10	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an (A) if In which loop, statement (A) for	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of th	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch its syntax: (C) do-while	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10 (D) for (D) for-each		
Please visit for mole da	7 8 9 10	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an (A) if In which loop, statement	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of th	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch its syntax: (C) do-while	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10 (D) for (D) for-each		
Please visit for mole da	7 8 9 10 11	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an (A) if In which loop, statement (A) for	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of th	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch its syntax: (C) do-while	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10 (D) for (D) for-each		
Please visit for mole da	7 8 9 10 11	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an (A) if In which loop, statement (A) for What is the final value of	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of th	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch its syntax: (C) do-while code: for (int i = 1 (C) 6	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10 (D) for (D) for-each ; i < 5; i + = 2)		
Please visit for more displayed	7 8 9 10 11	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an (A) if In which loop, statement (A) for What is the final value of (A) 7 What is the variable that is	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of the c	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch its syntax: (C) do-while code: for (int i = 1 (C) 6	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10 (D) for (D) for-each ; i < 5; i+=2)		
Please visit for more displayed	7 8 9 10 11	The target code produced (A) Object code Which of the following is (A) a The format specifier % f (A) int If x = 2 and y = 3, what (A) 6 Conditional operator is an (A) if In which loop, statement (A) for What is the final value of (A) 7	(B) Source code a valid character cons (B) '@' is used for: (B) long will be the output of the company of th	(C) Library code tant: (C) "c" (C) double ne expression: x > y (C) 12 (C) switch its syntax: (C) do-while code: for (int i = 1 (C) 6 receive an argument: (C) Constant	(D) Linked code (D) = (D) float ?x+y:x*y; (D) 10 (D) for (D) for-each ; i < 5; i + = 2) (D) 9		

(Visual Basic)

1. 7	The output of the compiler is called:				
	(A) Object code	(B) Source code	(C) Linked code	(D) Program	
8	A project file is save	d with the following extens	sion:		
	(A) .frm	(B) .vbp	(C) .vb	(D) .frx	
9	You can enter data in	a control only when it has	:	2 Add (1801 - 1804) 7 2 9 9 g	
	(A) Tab order	(B) Control	(C) Mask	(D) Focus	
10	What is the value of	variable R after the follow	ving code has been exec	cuted:	
		Dim R As Integer $R = 14 - 4 * 8 + 12/6$	We out the	pakcity.org	
	(A) -16	(B) 14	C) -12	(D) 8	
11	In Visual Basic, which statement indicates the end of a decision structure:				
	(A) END	(B) END IF	(C) NEXT	(D) ELSE	
12	For $A = 4$ and $B = 4$, which of the following e	evaluates to true:		
	(A) A <> B	(B) A < B $= DU$	(C) $A > = B$	(D) A > B	
13	What is the value of	For i = 2 to 12 step 3 Statement in loop Next	llowing code :		
	(A) 14	(B) 13	(C) 12	(D) 11	
14	A loop within a loop	is called:			
	(A) Next loop	(B) Nested loop	(C) Outer loop	(D) Inner loop	
15	The interval property of timer control is set in :				
	(A) Hours	(B) Minutes	(C) Milliseconds	(D) Seconds	

Lahore Board-2018 Roll No (To be filled in by the candidate) (Academic Sessions 2015-2017 and 2016-2018) COMPUTER SCIENCE 218-(INTER PART – II) Time Allowed: 2.10 hours Maximum Marks: 60 PAPER – II (Essay Type) SECTION - I (MS-ACCESS) 2. Write short answers to any SIX (6) questions : 12 Define data redundancy. (ii) Differentiate between master file and transaction file. (iii) Describe foreign key. (iv) Define synonym. (v) What are the database anomalies? (vi) List two advantages of report. (vii) Define sorting. (viii) State the purpose of subform. (ix) Identify name of entity and primary key in the following: STUDENT (Student ID, St name, Group) C-Language 12 3. Write short answers to any SIX (6) questions : (i) What is the use of main () function in C? (ii) Distinguish between source code and object code. (iii) Define header files. (iv) What is the use of assignment statement? (v) Differentiate between unary and (vi) Compare "getch ()" and "getche ()" function. binary operator. (vii) Trace output of the following code: (viii) Find errors in following code: int x = 0, y = 5, z = 4; void main 60 x = y + z * 5; printf ("Result = % d", x); Pakistan"); In c = a + b * 2; printf ("The output is % d" c); Basic) (ix) Trace output of following code: (Visual Basic) 3. Write short answers to any SIX (6) questions : 12 List any two disadvantages of machine language. Define source code. (ii) (iv) Differentiate between text box & label control. (iii) List any two properties of form object. (v) Differ between constant and variable. (vi) What is the purpose of language processor? (viii) Trace errors in following code: (vii) Find output of the following code: DIM res As Integer DIM x Integer x = 10 + 5res = (20 + 10)/3print "x print res (ix) Find output of the following code: DIM z As Integer z = 50print z MOD 6 C-Language 12 4. Write short answers to any SIX (6) questions : (i) Write the syntax of if-else statement. (ii) State the use of goto statement. (iii) Determine the output of the following code: (iv) Trace the errors in the following code: if (7! = 10)if (1!=2)printf ("OK"); printf ("Hello") else else printf ("Correct it"); print ("Welcome");

(vi) Convert the following code in do-while loop: (v) Write the output of the following code: for (i = 1; i < 5; i++)int i, j = 3; printf ("\n % d", i); for (i = 1; i < 5; i + +)akcity.or printf ("\n % d % d", i, j); (vii) Define local variable. (viii) Define function header. (ix) What is text file? OR (Visual Basic) 12 4. Write short answers to any SIX (6) questions : (i) Differentiate between List and List Index property. (ii) Describe three styles of Combo boxes. (iii) What does MDI mean? (iv) How Tool Tip is used in VB? E HEN DOTTE (v) Define standard code module. (vi) Define function argument. (vii) Write output of following code: AList = UCase ("AbCdEfG") (viii) Which error is difficult to find and why? (ix) Define project file. SECTION - II (MS ACCESS) Note: Attempt any ONE question. 5. What is data distribution? Explain three data distribution strategies. 2,2,2,2 6. Explain eight different data types available in MS Access. 1,1,1,1,1,1,1,1 SECTION - III Note: Attempt any TWO descriptive answers (either from "C-Language" or from " Visual Basic") of the following questions. (C-Language) 7. What do you know about identifiers? Explain two types of identifiers. 8. Write a program in C, which input year and print either it is leap year or not. 9. Define while loop in C, write its syntax and explain its working. 2,2,4 OR (Visual Basic) 7. Define errors. Explain types of programming errors. 2,2,2,2 8. Write a program in VB, which input year and print either it is leap year or not. 9. Define while loop in Visual Basic, write its syntax and explain its working. 2,2,4

189-218-(Essay Type)-26000