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contain a(n): 14 The function that is used to display printf scanf pow disp	.h
The function that is about to display	riod
output on screen is called:	play
15 The format specifier of is used for:	9'
VISUAL BASIC	
	etition
8 When a relational expression is false, it 1 0 Less than has the value:	-1
9 A loop within a loop is called: Nested loop Complex loop Infinite loop Dual	lloop
10 11 Outle in Indiana.	ald be fined
11 To create a new record, the file must be opened in: Output mode Append mode Create mode Read	mode
12 The diamond in a flow-chart indicates: Progress Input Output Cond	dition
13 Variable and constant name can not Number Underscore Letter Per contain a(n):	riod
14 BASIC was introduced in: 1960 AD 1950 AD 1970 AD 1980	0 AD
Which event detects the processing of Key down Key up Key press Keyb standard displayable characters?	board

COM	RMEDIATE PART-I	Sand Street, or other Persons Street, or other				2024	2024 (1 ³¹ -A)	Roll No:	
	PUTER SCIENCE		R-II GR	OUP-I	~~~			T = 2 1 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 =	
	ALLOWED: 2.10 Ho			~	JBJE/		* 	MAXIMUM MA	والمرازع والمستحدث والمستح
OTE	E: Write same questi	on num	ber and its			the second liverage and the second	swer book, as	given in the question	on paper.
	(Fither from WAS ACC	TECC 0	CIANCIIA		TION		CCECC & YNC	TAT DACTON	
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(i)	What is the main purpor		The Party of the P		<u> </u>	(ii) Define for	oion kou	0 1 2 - 12
(iii)	How many fields and re	والمستقدة والمناوات والمستوالة والمستوالة والمستوالة والمستوالة والمستوالة والمستوالة والمستوالة والمستوالة وا	CONTRACTOR OF THE PARTY OF THE	was a second or second or second	ontain') Denne loi	cigii key.	
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(iv)	What is the primary obj		Math	The same and the s	(1)	Diffe	entiate hetween	entity class and entity	instance
(vi)	Define partial dependen	THE RESERVE THE PERSON NAMED IN	LIC Glagiani	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(vii)	-	is database wiza		mstartee.
viii)	Write the use of wild ca			-	(ix)		is the purpose o		
	rite short answers to any		ts. C-	-LANGUA			- Paper C		$6 \times 2 = 1$
(i)	Why comments are use	The second residence of the second	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	(ii)	7	te the	given expression	in C-Language: a=	
(iii)	Find the errors in the fo			(iv)			The commence of the commence o	e following code:	200
	integer x, y ;	_				int	x=1:		
	x=10, y=20.5					1.753-135-1866	· +;		
	10, 3 20.0	(* <u>*</u>					•		
/\	7777				1	pri	ntf ("%d", x+-	۲);	
(v) (vi)	What is control string in			T 7 18	T #==		1	C. 11	
(vi)	Find errors in the follow void main ()	wing cod	e:	(vii)	Wh			following code:	
	()			(viii)	Def		t stream.	i Dear!);	
	printf (OK)			(ix)			"A+" mean in f	ile handling?	
	}			(11/2)	1 "	at doc	At mounting	no maiamig.	
30.93		···			OR				
. Wr	rite short answers to any			VISUAL B	- columnia interest				$6 \times 2 = 1$
(i)	Describe categorized vi								
(ii)	Define the use of Comr		tton Control.	(iii)		es conduces and	- colored revision to the colored to	e hide and show metho	ods of form.
(iv)	Define Modeless form.			(v)				Unload Event?	
(vi) (viii)	Define List Index Prope			(vi		hat is	the purpose of the	e statement 'Unload N	vie'?
(ix)	How can two groups of				itly?				
	How is information pla rite short answers to an	المستدار المستدار المستركان بالمستران برقواريه		_	ACE		$(0)^{\vee}$		6 X 2 = 1
(i)	Why break statement is			C-LANGU	AGE	W/	O		0 1 2 - 1
(ii)	Trace the output of the	The second live is the second live in the second live in the second live is the second live in the second live is the second live in the second live in the second live in the second li			- Poly	Tiniy	Define infi	nite loop	
	int p = 3, q		B and a gent	. 10	2	(iv)		following code into v	while () loon:
	if((p > q))	Ann an E))	(VS		(21)		oid main (void){	
	1 "(1)"		S	(0)		TO THE	20	nt a, $k=1$;	
	*	p = p + 1	,	405		, C.			
	else	• • · · · · · · · · · · · · · · · · · ·	(6)	500	5		f	or (a = 1; a <= 10; a	++)
	else	p = p - 1	(6)	50,50			f		++)
vì	else printf ("%d",	p = p - 1	(6)			(vi)	f	or (a = 1; a < = 10; a rintf ("%d\n", k+a);}	
v)	else printf ("%d", Predict the output:	p = p - 1; p);	2/0/2			(vi)	What is the	or (a = 1; a <= 10; a rintf ("%d\n", k+a);} life time of a local va	riable?
v)	else printf ("%d", Predict the output:	p = p - 1; p);	2/0/2			(vii)	What is the Why return	or (a = 1; a <= 10; a rintf ("%d\n", k+a);} life time of a local va statement is used in f	riable?
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(iii) (vii) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (printf ("%d", Predict the output: int i, a for (i = 5; i) printf (" what is concatenation in Define Infinite loop. How select case help What is default propert Trace the output: If (10 Mod 3 = 0) Print ("YES" Else Print ("NO") End if E: Attempt any one que What are the database ano Explain any four types of E: Attempt any two que Define bugs. Explain diff Write a program that input Write a program that input Write a program that displant	p in codi y of com omalies? queries in uestions. erent type ts an interlays odd	Discuss different MS-Access Either from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR es of errors in the ger and deter numbers from OR	SECTOR SE	BASIC (i) (i) (i) (i) (i) (v) (v) (v)	(viii (viii (ix)) (ix) (ix) (ix) (ix) (ix) (ix)	What is the Why return How is a further What is Val Fun Differentiate bet Write the syntax Which statement whi	or (a = 1; a <= 10; a rintf ("%d\n", k+a);} life time of a local valuated a statement is used in function activated? use of formal parame ction? ween "+" and "&" in 'a of while wend looks terminate Do and Formal parame zero.	riable? inction? ters? 6 × 2 = 12 Visual Basic. p.
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-	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.	→	=	?	@		
9	The function getch() is defined in:	conio.h	stdio.h	math.h	input.h	
10	If int $z = 222$, then the printf("%5d",z) will	222	222		"222"		
11	What will be the value the following statem $n = (100 > 200)$?	100	200	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?		Z 2	3	4	1	
14	A function can retur	n value(s):	1	2	3	Many	
15	52405 SS	sed to write a string	puts	printf	f puts ()	getch	
	to a file?		EDUCA	HONS		<u> </u>	
		V	OR ISUAL BASIC				
7	Forms and controls are collectively recognized as:		Properties	Methods	Events	Object	
8	Methods characteriz	e an object's:	Appearance	Behaviour	Value	Style	
9	Variable and constant	Periods	Number	Underscore	Letter		
10	The integer data typ bytes.	1	12	2	8		
11	The loop which nev loop.	nested	infinite	inner	outer		
12	If number of iterational advance, the suitable		Do loop while	Do loop unt	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 s that can be entered	length	max	max length	multi length	

);
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MÚM MARKS: 60
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E VISUAL BASIC")
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objects in MS-Access? of form.
$6 \times 2 = 12$
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lowing lines:
c++);
) and fprintf() functions?
functions.
$6 \times 2 = 12$
's naming conventions?
ltiple lines of a text box?
buttons work independently?
$6 \times 2 = 12$
6 × 2 = 12
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Paper Code		INTERMEDIAT	2023 (1"-A) FE PART-II (1	2th Class)	Roll No:		
-	aber: 4835						
	MPUTER SCIE			ultan Boa			
	IE ALLOWED		OBJEC		IAXIMUM M		
Q.N	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-ACCES				
S.# 1		STIONS wing is an example of ship?	Student-Reg. No.	Person- Automobile	Mother- daughter	Person-Phone No.	
2	No attribute of a pr contain null values		Data integrity	Entity integrity	Referential integrity	Null integrity	
3	Which wildcard reponly?	*	:	?	!		
4	Which type of form data from tables an one-to-many relation	Sub-form	Main form	Multi form	Inserted form		
5	Which of the follow of DBMS?	ving is not an objective	Shareability	Evolvability	Availability	Feasibility	
6	Create command is	used to create:	Record	View	Report	Query	
			C-LANGUAGI	E			
7	The expression 10%	3 has a value equal to:	1	2,70	3	4	
8	The escape sequence line in C-Language	ce used to begin a new	\a	100	\b	\m	
9	All of the following except:	g are control statements	Sequential	Repetition	Selection	Relation	
10	The semicolon is placed condition in:	laced at the end of	While loop	Do-while loop	Do loop	for-Next loop	
11	The scope of a vari	able refers to its:	Length	Name	Accessibility	Data type	
12	screen?	used to view output	Alt + F1	Alt + F3	Alt + F5	Alt + F7	
13	The output of a con	- ab	Library	Source code	Linked code	Object code	
14	The logical not ope is a:	rator, denoted by!,	Unary operator	Binary operator	Ternary operator	Bit wise operator	
15	The variable names	cannot contain a(n):	Number	Underscore	Letter	Period	
			OR	my.org		L	
			ISUAL BASIC				
7	Which of the follow data type?		Boolean	int	Char	float	
8	The entire select ca terminated with:	se construct is	Case else	End select	End if	Stop select	
9	All of the following except:	g are logical operators	OR	AND	NOT	<	
10	The loop which nev	ver ends:	Continuous loop	Infinite loop	Running loop	Controlled loop	
11	Which keyword is a counter by a value to	used to increment a that you specify?	interval	skip	step	Next	
12	That program which source code to mac	h translates assembly hine code:	Compiler	Interpreter	Assembler	Debugger	
13	Which of the follow control?	ving is not a VB	Command button	Forms	Textbox	Variable	
14	Methods characteri	zed an object's:	Behaviour	Appearance	Value	Style	
15	The expression 3 m equal to:	od 5 has a value	0	1	2	3	

INTERMEDIATE PART-II (12th Class)	2023	(1 st -A)	Roll No:
OMPUTER SCIENCE PAPER-II		Multai	n Board-2023
ΓΙΜΕ ALLOWED: 2.10 Hours	SUBJECT	IVE	MAXIMUM MARKS: 60
NOTE: Write same question number and its part	ts number on	answer bo	ok, as given in the question paper.
	SECTION-I		
(Either from "MS-ACCESS & C-LANGUA	GE" OR from	n "MS-AC	CESS & VISUAL BASIC")
2. Write short answers to any six parts. MS-A	CCESS		$6 \times 2 = 12$
(i) Define DBMS.	(ii)	Distinguis	sh between primary key and foreign key.
(iii) I ist any two properties of a relation	(iv)	What do s	you mean by entity integrity?

	(Either from "MS-ACCESS & C-LANGUAGE"		
. W	rite short answers to any six parts. MS-ACCES		6 × 2 = 12
(i)	Define DBMS.		Distinguish between primary key and foreign key.
(iii)	List any two properties of a relation.		What do you mean by entity integrity?
(v)	Define synonym.	(vi)	Write any two advantages of forms.
vii)	Define the term degree of a relation.	(viii)	List out four data types available in MS-Access.
(ix)	Differentiate between combo box and list box.		
. W	rite short answers to any six parts C-LANGUA	GE	$6 \times 2 = 12$
(i)	What is statement terminator?	(ii)	Differentiate between linker and loader.
(iii)	What is source program?	(iv)	What is runtime error?
(v)	What is standard identifier?	(vi)	What will be the value of X (integer variable)? $X = 1 + 2\%3 - 3$;
vii)	What will be the output of the following code?	(viii	Trace error from the following code: int room #;
	int $x = 10$, $y = ++x$;		printf ("%d", 5)
	x = y;		print (/ou , o)
	printf ("%d", y);		
ix)	Differentiate between character constant and string.		C V 2 - 12
	rite short answers to any six parts OR VISUA		
(i)	What is project explorer?	(ii)	How does focus event work in VB?
iii)	Write down the syntax of Mouse Move event.	(iv)	Differentiate between modal and modeless form
(v)	Write down two event names of keyboard.	(vi)	What is caption property of button?
vii)	Which event does occur when a form is removed fro		ry? (viii) What is the purpose of control menu?
ix)	What is the format of hexadecimal value of color in		(0)
Wr		GUAGE	
(i)	What does happen if & sign is missed in scanf() fur		(ii) List any four input functions?
iii)	Trace the output of the following code segment:	Civy	Convert the following code in do while() loop:
	int a, b, c;	9	int a;
- 1	a=3;	>	for $(a = 1; a \le 25; a++)$ {
	b = a ++;	1	printf ("%d \ n", a*a);
			p , u , ,
1	c = ++ a;		a++;
	printf ("%d %d %d", a, b, c		a++; }
(v)	printf ("%d %d %d", a, b, c		a++; } rite an expression in C-language for the following:
	printf ("%d %d %d", a, b, c). Define control structure.	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00
(vii)	printf ("%d %d %d", a, b, c) Define control structure. Which part of loop does contain the statements to be	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00
(vii)	printf ("%d %d %d", a, b, c) Define control structure. Which part of loop does contain the statements to be Trace the output of the following code segment:	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00
(v) (vii) (ix)	printf ("%d %d %d", a, b, c) Define control structure. Which part of loop does contain the statements to be	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00
(vii)	printf ("%d %d %d", a, b, c). Define control structure. Which part of loop does contain the statements to be Trace the output of the following code segment: int K=8, m=7, 2;	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00
vii)	printf ("%d %d %d", a, b, c). Define control structure. Which part of loop does contain the statements to be trace the output of the following code segment: $int \ $	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00
vii)	printf ("%d %d %d", a, b, c). Define control structure. Which part of loop does contain the statements to be Trace the output of the following code segment: int K=8, m=7, 2;	ten	a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00 ? (viii) What is counter controlled loop?
vii) (ix)	printf ("%d %d %d", a, b, c) Define control structure. Which part of loop does contain the statements to be Trace the output of the following code segment: int K=8, m=7, 2; Z= K <m? ("="" ,d",="" 2);="" answers="" any="" ite="" k++:="" m++;="" or="" parts="" plintf="" short="" six="" td="" to="" visual<=""><td>ten repeated</td><td>a++; } rite an expression in C-language for the following: riperature is less than 40.00 and greater than 25.00 ? (viii) What is counter controlled loop? 6 × 2 = 12</td></m?>	ten repeated	a++; } rite an expression in C-language for the following: riperature is less than 40.00 and greater than 25.00 ? (viii) What is counter controlled loop? 6 × 2 = 12
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vii) (ix) Wr (i) (iii) (v) vii) ix)	printf ("%d %d %d", a, b, c). Define control structure. Which part of loop does contain the statements to be trace the output of the following code segment: int (=8, m=7, 2): Z= k <m? "c-i="" "switch"="" (",d",="" 2);="" a="" and="" answers="" any="" attempt="" basic="" binary="" boxes.="" c-language="" c-language"="" case="" coding?="" combo="" controls.="" criteria="" define="" describe="" diagram="" display="" does="" dountil="" down="" draw="" either="" er="" explain="" file="" for="" from="" function="" help="" how="" in="" intrinsic="" is="" ite="" its="" k++:="" loop.="" m++;="" ms-a:="" name="" of="" one="" or="" pain+f="" parts="" process="" processing="" progr<="" program="" question.="" questions.="" search.="" secti="" select="" short="" sign="" six="" statement="" statement?="" styles="" system="" system?="" td="" the="" to="" traditional="" two="" using="" vb="" visual="" what="" which="" working="" write="" writing=""><td>ten e repeated L BASIC (ii) (iv) (vi) (viii) CCESS te down i getting ad anguage g with floor ay the sure in C-Lar Corking with getting with getting and anguage and anguage anguage</td><td>wchart and example. a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00 (viii) What is counter controlled loop? 6 × 2 = 12 What is relational expression? Differentiate between array and variable What is iteration? Which function does load a picture at run time? **Core of the following series using any loop. 8 th flowchart and example. 8 8 8 8 8 8 8 8 8 8 8 8 8</td></m?>	ten e repeated L BASIC (ii) (iv) (vi) (viii) CCESS te down i getting ad anguage g with floor ay the sure in C-Lar Corking with getting with getting and anguage and anguage	wchart and example. a++; } rite an expression in C-language for the following: nperature is less than 40.00 and greater than 25.00 (viii) What is counter controlled loop? 6 × 2 = 12 What is relational expression? Differentiate between array and variable What is iteration? Which function does load a picture at run time? **Core of the following series using any loop. 8 th flowchart and example. 8 8 8 8 8 8 8 8 8 8 8 8 8
vii) ix) Wr (i) iii) vii) ix) OTE	printf ("%d %d %d", a, b, c) Define control structure. Which part of loop does contain the statements to be trace the output of the following code segment: int k=8, m=7, 2; Z= k <m? "c-i="" "switch"="" ("="" ,d",="" 2);="" a="" and="" answers="" any="" attempt="" binary="" boxes.="" c-language="" case="" coding?="" combo="" controls.="" criteria="" define="" describe="" diagram="" display="" does="" dountil="" down="" draw="" either="" er="" explain="" file="" for="" from="" help="" how="" in="" intrinsic="" is="" ite="" its="" k++:="" loop.="" m++;="" ms-a:="" name="" of="" of<="" one="" or="" parts="" printf="" processing="" program="" question.="" questions.="" search.="" secti="" select="" short="" six="" statement="" statement?="" styles="" system="" system?="" td="" the="" to="" traditional="" two="" using="" visual="" what="" which="" working="" write=""><td>ten e repeated E BASIC (ii) (vi) (viii) CCESS te down is getting ad anguage g with flow ay the sun in C-Lar C orking with following the sun of following with the sun</td><td>a++; } cite an expression in C-language for the following: inperature is less than 40.00 and greater than 25.00 ? (viii) What is counter controlled loop? 6 × 2 = 12 What is relational expression? Differentiate between array and variable What is iteration? Which function does load a picture at run time? **Control of the counter controlled loop? **Control of the counter control of the counter control loop? **Control of the counter control of th</td></m?>	ten e repeated E BASIC (ii) (vi) (viii) CCESS te down is getting ad anguage g with flow ay the sun in C-Lar C orking with following the sun of following with the sun	a++; } cite an expression in C-language for the following: inperature is less than 40.00 and greater than 25.00 ? (viii) What is counter controlled loop? 6 × 2 = 12 What is relational expression? Differentiate between array and variable What is iteration? Which function does load a picture at run time? **Control of the counter controlled loop? **Control of the counter control of the counter control loop? **Control of the counter control of th

Multan Board-2021 COMPUTER SCIENCE PAPER-II MAXIMUM MARKS: 15 TIME ALLOWED: 20 Minutes **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 bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER. Q.No.1 pakcity.or An entity related to itself in an ERD Model refers to: (1) (B) Recursive relationship (A) One-to-many relationship (D) One-to-one relationship (C) Many-to-many relationship Different attributes in two different tables having same name are referred to as: (2) (C) Mutually exclusive (D) Homonym (A) Synonym (B) Acronym A database consists of various components called the: (3) (D) Entities (A) Tool (C) Objects (B) Properties In a relational database, a single piece of information is called: (4) (D) Tuple (B) Record (C) Entity (A) Field (5) SQL stands for: (B) Structured Query Language (A) Unstructured Language (D) Software (C) Object Oriented Language Who is responsible to design, implement and maintain a databases? (6)(C) Application programmer (D) Web designer (B) End users (A) Database administrator Which of the following data type offers the highest precision? (7)(D) unsigned long int (B) long int (C) long double (A) float The escape sequence for new line: (8)(D) \f (B) \t (C) \b (A) \n (9)The format specifier % c is used for (B) float (C) double (D) character (A) Integers (10) How many kinds of control structures are there to organize program instructions? (D) 5 (C) 4 (A) 3 (B) 2 (11) Which of the following is a loop statement? (D) nested if (A) while (B) if (C) if-else (12) printf() is a: (D) built-in function (A) local function (B) user defined function (C) keyword (13) Every C program must have: (D) print function (A) scanf function (B) getche function (C) main function (14) Turbo C++ can compile: (B) C++ programs only (C) Machine program (D) C and C++ programs (A) Assembly program (15) Which of the following is a valid character constant? (C) '6' (A) "b" (B) a (D) =

INTERMEDIATE PART-II (12 CLASS)

Number:

NOTE: Write same question number and its part number on answer book, as given in the question paper. SECTION-I Multan Board-2021

2. Answer briefly any Six parts from the following:

MS-ACCESS

- (i) What do you mean by composite key?
- (iii) Write the purpose of Modality.
- (v) List advantages of MS-ACCESS.
- (vii) What are relationships?
- (ix) Define Tabular form.

- (ii) Define End User.
- (iv) Describe Project Planning.
- (vi) How MS-ACCESS existing from Windows?
- (viii) Write two differences between relationship and join.
- Answer briefly any Six parts from the following: 3.

 $6 \times 2 = 12$

C-LANGUAGE

- (i) What are Syntax Errors?
- (iii) Differentiate between Linker and Loader.
- (v) What are Identifiers?
- (vii) Find error:

```
int x;
scanf ('%d", sx);
if (x\%2 = 0)
```

printf ("Even Number")

(ix) Trace output:

Please visit for more data at: www.pakcity.org

```
int x = 1, y = 2, z = 3;
if ((x == y) || (y == z) || (z == 2))
printf("Yes");
printf("No");
```

- (ii) What is #include Directive? Give an example.
- (iv) What are Logical operators? Name any two. (vi) Write two rules for Naming Variables.

(viii) Trace output:

```
int price = 19;
if (price! = 10)
printf ("Yes");
```

4. Answer briefly any Six parts from the following:

 $6 \times 2 = 12$

(ii) Write down the use of "getch" function.

- List any four escape character provided by C. (i)
- (iii) Why is the ampersand (&) used in scanf function?
- Predict the output of the following code segment: (iv)

int
$$n$$
;
for $(n = 1; n < = 12; n = n + 4)$
printf("% d ", n);

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

```
int x = 3
while (x < = 12)
printf ("x is %d \mid n", x);
x = x + 2;
}
```

(vi) Find the errors from the following code segment:

```
int x = 1;
while (x < = 6);
printf ("%d" x);
x + +;
```

(vii) Define function.

(viii) Compare local and global variable.

(ix) Define Newline marker.

SECTION-II

Attempt any one question.

MS-ACCESS

- 5. Define database model. Discuss different types of database models.
- 6. What is normalization? Explain three forms of normalization.

SECTION-III

 $8 \times 2 = 16$

 $8 \times 1 = 8$

NOTE: Attempt any two questions.

C-LANGUAGE

- 7. Define programming language. Describe the characteristics of high level programming languages. 8. Write the general form of if statement with multiple alternatives. Draw flow chart and explain its working?
- Write a program that get starting and ending numbers then print counting in between these numbers 9. using while loop

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	4831	INTERMEDIA	ATE P	ART-II (12th CLAS	SS)	
ımber:				oard-2019		
	UTER SCIENCE			하는 사람들이 얼마를 하고 있다면 그렇다 가다.	MAYIN	IUM MARKS: 15
	LLOWED: 20 Mi					
ote:	ou have four choice: correct, fill that circle	s for each objective	type question	testion as A, B, C and number. Use marker	or pen t	o fill the circles.
atting	or filling two or more	e circles will result	in zero	mark in that question	i. Attem	pt as many questions
given	in objective type que	stion paper and les	eve othe	rs blank. No credit w	vill be av	varded in case
.No.1		not solve question	s on thi	s sheet of OBJECTIV	EIAIE	, K.
.110.1	(Either from "MS-/	ACCESS & C-LAN	GUAG	E" OR from "MS-AC	CESS &	VISUAL BASIC")
	(2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		S-ACC			
(1)	SQL is a:			(0) 01: 10	4 1	Total
(2)	(A) Unstructured Las A table must have:	nguage (B) Structu	ared Lan	guage (C) Object Or	iented la	nguage (D) Software
(2)	(A) Primary Key	(B) Secondar	v Kev	(C) Composite Key	(D) Sor	t Key
(3)	E-R diagram represe		,,	• 0.1• (0.000)		•
	(A) Attribute	(B) Relations		(C) Cardinals	(D) Ent	lity
(4)	Which form of deper (A) Functional	ndency is removed in (B) Non-fund		(C) Associative	(D) Tra	nsitive
(5)	MS-Access saves the			(0)		
	(A) .mdb	(B) .msdb		(C) .madb	(D) .m	ixls
(6)	Which of the followin (A) Edit	ig Menues is used to (B) File	switch	(C) Tools	(D) Vio	ew
	(A) Edit		LANG	UAGE	\	• ***
(7)	C is a:			70	s)	
				ige (C) Assembly Lun	guage (D) Machine Language
(8)	The left side of an as (A) Variable	signment statement (B) Constant	holds: (C) E	xpression	(D) Di	git
(9)	The functions used for		s stored	in		
	(A) Stdio.h	(B) Conio.h	(C)	tath.h	(D) Inc	out.h
(10)	The case block ends (A) End select		Co b	reak	(D) Ca	ise Else
(11)					(2) 3.	
	(A) If	(B) b++	(C)?		(D) ()
(12)	In which loop the co	ndition comes after (B) while	the body	o while	(D) ne	sted
(13)	(A) for The loop which never	ends is called:	(0)	MUSAIN		
	(A):Infinite loop	(B) Running loop	(C) C	Continuous loop	(D) No	ested loop
(14)		created in: (B) Rom	(C) F	lard disk	(D) Ca	ache
(15)				lato disk		
,,	(A) Variable	(B) Parameters	(C) A	Arguments y.org	(D) Po	The state of the s
			<u>OI</u>			→ pakcity.org
(3)	Wis at Distant	<u>VI</u>	SUAL	BASIC		® banna 1
(7)	Visual Basic is: (A) High Level lang	mage (B) Low Lev	el Langi	age (C) Assembly La	nguage	(D) Machine Language
(8)	The left side of an as	ssignment statement	holds:			
(0)	(A) Variable	(B) Constant		Expression	(D) D	igit
(9)	(A) End sub	(B) Handles		f an event procedure? Object-Event	(D) S	tatement
(10)		ontrol array is ident	ified:			
	(A) Test Index	(B) Tab Index	(C)	Index	(D) S	ubscript
(11)	The:default message (A):Yes No	e box style is: (B) Yes No cancel	(C)	Ok only	(D) R	tetry cancel
(12)		ondition comes after				•• ·
	(A) for next	(B) while-end while	le (C)	do while	(D) n	ested
(13)		(B) Assembler		'B code to object code' Compiler	: (D) D	Debugger
(14)	(A) Interpreter Which is not a prop	erty of the common			, ,	
	(A) Hide	(B) Name	(C)	Back color	(D) F	fore color
(15)		tivated when a radio			(D) C	Checked changed
	(A) Selected chang	ged (B) Selection c		(C) Checked bj)(★)-2019(A)-1400		
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Roll No: Multan Board-2019 2019 (A)

INTERMEDIATE PART-II (12th CLASS)

MPUTER SCIENCE PAPER-II

ME ALLOWED: 2.10 Hours

(NEW SCHEME) **SUBJECTIVE**

MAXIMUM MARKS: 60

DTE: - Write same question number and its part number on answer book, as given in the question paper.

SECTION-I

(Either from "MS-Access & C-Language" or from "MS-Access & Visual Basic").

Attempt any six parts.

(ii)

MS-ACCESS

 $6 \times 2 = 12$

- (i) What is the main purpose of database system?

Why is report generator used in database system?

- What is the basic purpose of using views? (iii)
- (iv) How is database integrity maintained?
- (v) Define synonym.
- (vi) Differentiate between partial dependency and transitive dependency.
- (vii) Define the term table in database.
- (viii) What is database wizard?
- (ix) Which control is used to execute commands in MS-Access forms?

Attempt any six parts.

C-LANGUAGE

 $6 \times 2 = 12$

- (i) How is a header file included in C-program?
- (ii)
- (iii)
- (iv)

$$int x = 7$$

int
$$y = 3$$

Why main function is used in C-program?

Define an identifier with example.

Predict the output of following code segment:

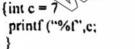
int
$$x = 7$$
;

int $y = 3$;

printf ("%d and %d", $x = 7$);

Initialize three variables T_1 , T_2 T_3 in a single line by assigning value.

- Initialize three variables T_1 , T_2 T_3 in a single line by assigning values 48, 45 and 39 respectively. (v)
- (vi) Find errors in following sode segment



- (vii) Differentiate between printf and scanf functions.
- Write a C-statement which scans three floating point variables a, b and c in a single line. (viii)
- (ix) Determine the output of the following code segment:

float
$$f = 3.14159$$
;

printt ("
$$f = \%4.2 f$$
", f);

<u>OR</u> VISUAL BASIC

3. Attempt any six parts.

 $6 \times 2 = 12$

- (i) Define executable file in Visual Basic.
- Differentiate between 'Key down" and "Key up" events. (ii)
- (iii) What is Variable declaration?
- (iv) How do you define operator precedence?
- (v) Declare and initialize three variables T_1 , T_2 and T_3 by assigning values 48, 50 and 32 respectively.
- (vi) What mathematical operators are used in Visual Basic?
- Define "Concatenation" with an example. (vii)
- (viii) How would you define relational operators?
- (ix) What is the use of "NOT" operator?

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```
Attempt any six parts.
                                                      C-LANGUAGE
                                                                                   6 \times 2 = 12
(i)
         Define compound statement.
                                                Multan Board-2019
(ii)
         Write a C-statement that assigns 1 to the variable y if the value of the variable x is
         greater than 0. Otherwise, it assigns - 1 to the variable y.
         What will be the output of the following:
(iii)
                 char c = 'a';
                 switch (c)
                 {
                 case 'a'
                 printf ("a");
                 default:
                  printf ("Not a" );
(iv)
         Define infinite loop.
(v)
         Change the following while loop to for loop:
                  int c = 0;
                  while (cc = 5)
                  printf ("%d\n",C);
                  c++;
         What will be the output of the following:
 (vi)
                                                      1887 10 186
                  int c = 1;
                  do
                   printf ("%d", c)
                   while (c++c=4);
          What do you know about user defined function?
  (vii)
          Define Local Variable.
  (viii)
          How is the end of text file indicated?
  (ix)
                                        OR
                                                   VISUAL BASIC
                                                                                    6 \times 2 = 12
  4.
        Attempt any six parts.
          Define Logical Operator.
  (i)
   (ii)
          What is goto statement?
          Differentiate between Counter and Conditional loop.
   (iii)
   (iv)
          Define Do-Loop structure.
   (v)
          What is Iteration?
   (vi)
          Explain array manipulation.
   (vii)
          What is control array?
          How does an array differ from simple variable?
   (viii)
           Define user-defined function.
    (ix)
                                               SECTION-II
                            NOTE: - Attempt any one question.
      MS-ACCESS
                                                                                                  8
      Write any four advantages of DBMS.
                                                                                                  8
      Discuss different methods of modifying a table in MS-Access.
i.
                            NOTE: - Attempt any two questions.
      C-LANGUAGE
                                                                                                   8
       Write any eight characteristics of C-Language.
7
                                                                                                   8
       What is if-else statement? Draw its flow chart, also explain its working with an example.
3.
       Write a program in C that inputs a number from the user and displays the table of that
).
                                                                                                   8
       number using for loop.
                            NOTE: - Attempt any two questions.
       <u>VISUAL BASIC</u>
       Write a program to swap the value of two variables without using third variable.
7.
       What is if-then-else statement? Draw its flow chart, also explain its working with an example.
                                                                                                   8
8.
       Write a program in VB that inputs a number from the user and displays the table of that
9.
                                                                                                   8
       number using For---Next loop.
                   Please visit for more data at: www.pakcity.org
```

(2)

		n in objective type question paper and leave others blank. No credit will be awarded in case LES are not filled. Do not solve questions on this sheet of OBJECTIVE PAPER.
	Q.No.	
	Q.110.	(Either from "MS-ACCESS & C-LANGUAGE" OR from "MS-ACCESS & VISUAL BASIC")
	(1)	MS-ACCESS A logical grouping of characters is as
	(1)	A logical grouping of characters is a:- (A) Field (B) Record (C) File (D) Table
g	(2)	(A) Field (B) Record (C) File (D) Table A table is a two dimensional structure that consists of:-
	(2)	(A) X and Y coordinates (B) Matrix elements (C) rows and columns (D) Intersection of data
	(3)	A person's name, birthday and social security number are examples of:-
	(5)	(A) Attributes (B) Entities (C) Relationships (D) Descriptors
	(4)	form of dependency is removed in 3NF.
ō		(A) Functional (B) Non-functional (C) Associative (D) Transitive
>	(5)	is not a database object.
∺		(A) Table (B) Query (C) Report (D) MS Word
폴	(6)	In a relational database, a single piece of information is called:-
Og		(A) Table (B) Records (C) Entity (D) Attribute
>		C-LANGUAGE
≥	(7)	The ".exe" file produced by:-
≤		(A) Linker (B) Loader (C) Compiler (D) Interpreter
	(8)	Variable and constant names can not contain a (n)
at: www.pakcity.org		(A) Number (B) Underscore (C) Letter (D) Period
σ	(9)	Format specifier is started with symbol:-
at		(A) ? (B) % (D) *
0	(10)	In it statement, false is represented by:
ഉ		(A) 0 (B) 1 (C) 2 (D) 3
2	(11)	•
	(1.0)	(A) Compare (B) And (C) Multiply (D) Divide
ase visit for more data	(12)	
Į,	(12)	(A) Nested loop (B) Complex loop (C) Infinite loop (D) Dual loop
·S	(13)	
·>	(14)	(A) if (B) if - else (C) Switch (D) For Formal arguments are also called:-
(a)	(14)	(A) Actual arguments (B) Dummy arguments (C) Original arguments (D) Referenced arguments
ä	(15)	An array script should be:-
0	(10)	(A) int (B) Float (C) Double (D) An array
Δ.		OD 3
	(7)	The ".exe" file produced by:-
	(7)	(A) Linker (B) Loader (C) Compiler (D) Interpreter
	(8)	
	(0)	(A) Number (B) Underscore (C) Letter (D) Period
	(9)	Use to declare variable in Visual Basic.
	(*)	(A) Identifier (B) Dim (C) Sub (D) Event
	(10)	
	()	(A) 0 (B) 1 (C) 2 (D) 3
	(11)	Relational operators allow you to numbers.
	, ,	

2018 (A)

PAPER-II (NEW SCHEME)

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. Attempt as many questions

INTERMEDIATE PART-II (12th CLASS)

Multan Board-2018

OBJECTIVE

Roll No.

MAXIMUM MARKS: 15

Paper Code

Number:

4831

TIME ALLOWED: 20 Minutes

COMPUTER SCIENCE

(A) Compare

(13)

(A) Nested loop

(15) An array script should be:-

(A) int

(12) A loop within a loop is called:-

is a loop statement.

(14) Formal arguments are also called:-

(B) Add

(B) Complex loop

(B) if - else

(A) Actual arguments (B) Dummy arguments

(B) Float

(C) Multiply

(C) Switch

(C) Double

(C) Infinite loop

(D) Divide

(D) Dual loop

(D) For-next

(D) An array

(C) Original arguments (D) Referenced arguments

Multan Board-2018 ²⁰¹⁸ (A)

Roll No:

INTERMEDIATE PART-II (12th CLASS)

COMPUTER SCIENCE PAPER-II (NEW SCHEME)

TIME ALLOWED: 2.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 60

NOTE: - Write same question number and its part number on answer book, as given in the question paper.

SECTION-I

(Either from "MS-Access & C-Language" or from "MS-Access & Visual Basic").

2. Attempt any six parts.

MS-ACCESS

 $6 \times 2 = 12$

- (i) Define Data Dictionary.
- (ii) Describe Database.
- (iii) List any two responsibilities of data administrator.
- (iv) State the purpose of cardinality.
- (v) What is Synonym?
- (vi) Differentiate between full functional dependency and transitive dependency.
- (vii) What is the use of title bar in MS-Access?
- (viii) Discuss the use of design view in MS-Access.
- (ix) Distinguish between form and sub-form.

3. Attempt any six parts.

C-LANGUAGE

 $6 \times 2 = 12$

- (i) Explain preprocessor directives with example.
- (ii) What are delimiters in C?
- (iii) Describe the concept of linker.
- (iv) Define keywords with example.
- (v) What is garbage value?
- (vi) What is output of: printf(*%C*,67);
- (vii) Define escape sequence character with example.
- (viii) What is Sentine Controlled Loop?
- (ix) Find errors of C code:

int
$$a = 10$$
, $b = 40$
print ("sum: ", $a + b$)

4. Attempt any six parts.

 $6 \times 2 = 12$

- (i) What is a Continue Statement?
- (ii) Define Ternary Operator.
- (iii) What is the use of Switch Statement?
- (iv) What is an Expression?
- (v) Write output of the code.

```
float f = 3.1415;
printf (% 7.2f", f)
```

- (vi) Define Function Prototype.
- (vii) What is Return Statement?
- (viii) What is File Pointer?
- (ix) Convert the following code into Do-while loop code:-



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<u>OR</u> VISUAL BASIC $6 \times 2 = 12$ 3. Attempt any six parts. Multan Board-2018 Define properties of Window. (i) (ii) Explain Code Window. Differentiate between hiding and closing a form. (iii) (iv) Define Keywords What are Variant Variables? (v) Explain the use of concatenation operator. (vi) Explain general syntax of msgbox (). (vii) Write general syntax of inputbox ((viii) How can we declare double type variables? (ix) $6 \times 2 = 12$ 4. Attempt any six parts. (i) What is a variable declaration in Visual Basic? (ii) List any three properties of Timer Control. (iii) Define Identifier. (iv) What is an Assignment Operator? (v) Differentiate between Variable length and Fixed length string. ING TEN TO PE (vi) Write use of Checkbox in Visual Basic. (vii) Trace errors For i = 0 to 4 increment 1 Print "Hello" next j (viii) Find output if (3 > 1) then print ("First no is greater"); print("second no is greater" end if (ix) Convert into while loop code. for a = 1 to 7 print a * 2 next a end sub SECTION-II MS-ACCESS NOTE: - Attempt any one question. Briefly describe basic data distribution strategies. What are Field Properties? Explain at least three field properties with examples.

- 5. 2+2+2+2=8
- 6. 2+2+2+2=8

C-LANGUAGE NOTE: - Attempt any two questions.

- 7. Describe eight rules for naming variables in C - Language. 1+1+1+1+1+1+1+1=8
- 8. Write a program in C - Language that inputs two numbers and one arithmetic operator (+, -, *). It applies arithmetic operation on numbers on the basis of given operator.
- 9. Define Do-While Loop with Syntax. Explain its working with example and flowchart. 2+1+3+2=8

OR

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Attempt any two questions. VISUAL BASIC

Describe any eight properties of form in Visual Basic.

7.

8. Write a program in Visual Basic that inputs two numbers and one arithmetic operator (+, -, *). It applies arithmetic operation on numbers on the basis of given operator

9. Define Do-loop-until with syntax. Explain its working with example and flowchart. 2+1+3+2=8