(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

		VISUAL BA	ASIC	- pakcity.or	9	
4. V	Vrite short answers to any SIX questions:			6		
i.	Define currency data type in VB.	vi.		ne output: MOD 3 = 0) Then		
ii.	Describe option explicit declaration in VB.		pı	rint ("YES")		
iii.	Write down the syntax of input box.		else pi End	rint ("NO") if		
iv.	How selectCase help in coding?	vii.	How an	AND operator is used	in VB statement?	
v.	What is default property of command button?	viii. ix.		sentinal value? own the syntax of For	Next loop.	
		SECTION	<u>- II</u>			
Not	a. Attament any ONITI	MS-ACCI	<u>ESS</u>			
	e: Attempt any ONE question. Briefly describe four major components of data	base system	ns.			(8)
6.	Explain different types of Queries?					with the second
			~			(8)
	<u>S</u>	ECTION -				
Not	e: Attempt any TWO questions (either	from (C	Langua	age" or from "Visus	al Basic"):	
	$\underline{\mathbf{C}}$	LANGUA	AGE), G *	
7.	What are errors? Discuss different types of erro	rs which m	ay occur	in C-Language prograi	n.	(8)
8.	Write a program in C-language that inputs a year structure.	ar and finds	whether	it is a leap year or not,	using if-else	(8)
9.	Write a program that displays first five odd nun	nbers and th	neir avera	age using while loon		40)
				B. T. B. T. T. T. C. T. C. D. T.		(8)
	XZX	OR	Lew Mother			
7.	Discuss any eight form objects in VB.	SUAL BA	ASIC			7700
8.	Write a program in Visual Basic that inputs a y	ear and find	ds whethe	er it is a lean year or no	t using	(8)
	iiinchEise structure.					(8)
9.	Write a program in VB that displays first five o	odd numbers	s and the	ir average using While	Wend loop.	(8)
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oll N	o. of Candidate:	Oujranwaia	DodiaZoza		
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 e				
	ill that circle in front of that circles will result in zero ma	-	rker or pen to fill the circle	s. Cutting or filling t	wo or more
		And the second of the second o	CCESS	pakcity.org	
1. 1.	The smallest meaningful	unit of data in a database			350
	(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	ALMON SI SE SELE	C-LANC	<u>GUAGE</u>		
7.	The case block ends with (A) End Select	-	(C) heroals	(D) Coss size	
8.	Format Specifier %5.2f f	(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) << >>	
11.	In which loop the conditi (A) for loop	on comes after the body (B) while loop	the loop? (C) do — while loop	(D) Infinite loop	
12.		• • • • • • • • • • • • • • • • • • • •	Willie loop	(D) Illimite 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) Cacino	
15.	(A) \ a Local variables are also	Billy	(C) \ t	(D) \ r	
10.	(A) automatic variables		(C) global variables	(D) basic variable	s
		OR	Newtons Newtons		
		VISUAL	BASIC		
7.	A procedure or function t	timel a		/m\ 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.	Which event detects/the/p		- Santa and the	/D\ 1	
10.	(A) key down The diamond in a flowch	` '	(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) machan	(D) tour box	
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	ised to (B) compare	(C) multiply	M) divide	
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	
				22-(III)-1 st A424-1	8500
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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

Ro	ll No	. of Candidate: _					
CC	MPI	UTER SCIENC	E Intermediate Part	-II, Class 12 th (1 st A 423	- IV) Paper: II		
Tir	ne: 2	0 Minutes	OBJECT	IVE Code: 8838	Marks: 15		
No	fil	Il that circle in fron	ces for each objective type quest at of that question number. Use a zero mark in that question.	stion as A, B, C and D. The c marker or pen to fill the circl	choice which you think is correct es. Cutting or filling two or mo		
			<u>M</u>	IS-ACCESS			
1.	1.	Customers, cars	and parts are example of				
		(A) attributes	(B) entities	(C) cardinals	(D) relationships		
	2.	A form within an	nother form is called				
		(A) sub-form	(B) main form	(C) multi-form	(D) inserted form		
	3.	How many prima	ary keys can a table have?				
		(A) 1	(B) 2	(C) 1 to 3	(D) 4		
	4.	Which of the foll	lowing file is used to store add	ditional copy of data?			
		(A) master file	(B) transaction file	(C) backup file	(D) basic file		
	5.	Two or more attr	ributes with different names b	ut same meaning create a pr	oblem known as		
		(A) homonyms	(B) aliases	(C) synonyms	(D) alternate attributes		
	6.	How many table	views are available in MS-Ac	ccess ?			
		(A) 5	(B) 2	(E) 3	(D) 4		
			W ₁	SUAL BASIC			
	7.	All of the follow	ings are relational operators e	except			
		(A) &	(B) = (5)	(C) <>	(D) >=		
	8.	Which statement	t is used in ForNext loop				
		(A) Exit	(B) Exit do	(C) Exit for	(D) Break		
	9.	Which data type	is used to handle a Yes or No	THE PARK SEAL OF THE PA			
		(A) Short	(B) Integer	(C) Boolean	(D) Date		
	10.	The keyword that	at marks end of a do structure				
		(A) loop	(B) End do	(C) Exit do	(D) End while		
	11.	Which loop exec	cutes one or more statements				
		(A) Do while lo	oop (B) Do loop while	(C) Do Until loop	(D) While wend		
	12.	The default mes	sage box style is				
		(A) OK only	(B) Yes No	(C) Retry Cancel	(D) Yes No Cancel		
	13.	Which programs	ming structure executes progr				
		(A) Relation	(B) Sequence	(C) Decision	(D) Repetition		
	14.	In visual basic,	which statement indicates the				
		(A) End	(B) Next	(C) End if	(D) Else		
	15.	The MOD opera			(m) n: : :		
		(A) Integer rem	ainder (B) Exponentiation	(C) Multiplication	(D) Division		
			⇒‱ pakcity	.org 🗫	320-(IV)-1stA423-32000		

COMPUTER SCIENCE

Intermediate Part-II, Class 12th (1st A 423)

Time: 2:10 Hours

SUBJECTIVE

Paper: II Marks: 60

Note: Section I is compulsory.

SECTION - I



1

2. Write short answers to any SIX questions:

- i. Define data capturing.
- ii. What is foreign key?
- iii. What is meant by a file in database?
- iv. Describe referential integrity.
- v. Define 1NF.

3. Write short answers to any SIX questions:

- i. What are uses of preprocessor directives?
- ii. Differentiate between Linker and Loader?
- iii. Give two examples of run time errors.
- iv. What will happen if stdio.h file is missing in C Program?
- v. Differentiate between Constant and Variable.
- vi. Declare an integer variable with name marks and store 799 in it.
- vii. Predict output of the code given below int a=27, b=19; printf("% d+% d=% d", a, b, a+b);

MS-ACCESS

- vi. Differentiate between menubar and toolbar.
- vii. Write down any two characteristics of a table.
- viii. What is the difference between crosstab queries and parameter queries?
- ix. List down any two layouts of forms.

12

C-LANGUAGE

viii. Trace out errors from following code

Void main ();

doub t=45;

prnF("%f",t)

ix. How is the end of text file indicated?

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OR

VISUAL BASIC

3. Write short answers to any SIX questions:

- Write down any two uses of flowchart.
- Write down about Natural Programming Languages.
- iii. List out advantages of structured programming.
- iv. What is the usage of label control?
- v. What is the purpose of name property of a control in VB?

- vi. What is the purpose of QueryUnload event?
- vii. Write down the syntax of KeyPress event.
- viii. Why SetFocus method is used in Visual Basic?
- ix. What is meant by Modal Form?

12

	<u>C-LA</u>	NGUAG	<u>E</u>	
4. W	rite short answers to any SIX questions: What is the use of "getch" function?	v.	Define compound statement.	12
ii. 	What is the use of format specifier in C-language?	vi.	Convert the following loop into do-while loop. int x; for $(x=1;x \le 10;x++)$	
iii.	Write down output int N=65;		printf ("%d",x%2);	
	printf ("% c",N);	vii.	What is for loop?	
iv.	Write down output int x=20;	viii.	Which part of loop contains the statements to be repeated?	
	<pre>if (x!=10) printf ("Nothing"); else</pre>	ix.	Write down an expression in C that represents speed is not greater than eighty.	
	printf ("Hello");	OF	t	
		VISUA	L BASIC	
4. W	rite short answers to any SIX questions: Define archive property of FileListBox	vi.	Why populamenus are used?	12
ii.	control. What is scrollbar control?	vii.	What is font dialog box?	
iii.	What is the purpose of ListCount property?	viii.	What is tooltip?	
iv.	Define label control.		What are the advantages of having parent and	
v.	State WordWrap property.		child forms?	
Not	te: Attempt any ONE question.	SECTIO MS-AC	CESS	(8)
5.	Define database system What are four major	componen	ts of database system? Write in detail.	(8)
6.	Explain different components of logical mode	l in detail.	day North Control of the Control of	(8)
		SECTIO	$\overline{ON \rightarrow III}$	
No	te: Attempt any TWO questions (either	r from "	C-Language" or from "Visual Basic"):	
			NGUAGE	
7.	What is if-else-if statement? Explain syntax a	nd workin	g with example.	(8)
8.	Write a program using loop to calculate the for 2+4+6+8++40	ollowing s	eries	(8)
9.	Explain the benefits of using function.			(8)
		(OR .	
			L BASIC	
7.	What is extended if-then-else statement? Exp			(8)
8.	Write a program using loop to calculate the f			(8)
	2+4+6+8++40	·@ -	akcity.org	
9.	Explain the benefits of function procedure.	-388 h	ancity.urg 8880	(8)

Roll No. of Candidate : Gujranwala Board-2021

COMPUTER SCIENCE

(INTERMEDIATE PART-II) 421 - (IV)

Paper II

Time: 20 Minutes

1.

OBJECTIVE Code: 8837

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. Attempt as many questions as given in objective type question paper and leave others blank.

MS-ACCESS AND C-LANGUAGE

		W15-	ACCESS AN	D C-LAI	GUAGE		
1.	Which provides infor	mation al	bout the function	n to the co	mpiler		
	(A) function header	(B)	function body	(C)	function call	(D) fo	nction prototype
2.	The part of for loop e	xecutes o	only once				
	(A) condition	(B)	increment	(C)	decrement	(D)	initialization
3.	The conditional opera	ator is an	alternative of				
	(A) if	(B)	if-else	(C)	nested if	(D)	if-else-if
4.	Which escape sequen	ce is used	d for backspace	?			
	(A) \B	(B)	\b	(C)	/b	(D)	\bs
5.	The & symbol is scar	of functio	n indicate varia	ble's	~(6)		
	(A) address	(B)	value	(C)	for)mat	(D)	data type
6.	Which of the following	ng statem	ent is true for A	=25 and 1	B=35		
	(A) A+B	(B)	A>=B	3/2(C)	A!=B	(D)	A==B
7.	The total number of l	eywords	in C-Language	are			
	(A) 32	` '	60	(C)	98	(D)	102
8.	A set of rules that mu	ist be fold	owed to develo	p a progra	m is called		
	(A) bug	WB)	debugging	(C)	preprocessor	(D)	syntax
9.	In assembly language	e, long m	achine language	instruction	ons are replaced		akcity.org
	with English like wor	rds called		A-bit Ford		6	
	(A) statements	(B)	mnemonics	pak(C)	directives	(D)	instructions
10.	Which view is used t	o add, ed	it or delete reco	rd from ta	ble?		
	(A) record view	(B)	datasheet view	(C)	design view	(D)	edit view
11.	A database consists of	of various	components ca	lled			
	(A) tools	(B)	properties	(C)	entities	(D)	objects
12.	A primary key value	cannot b	e null is what ki	ind of inte	grity?		
	(A) referential integ	grity (B)	entity integrity	(C)	data integrity	(D)	security integrity
13.	Organizing the datab	ase on se	condary storage	is related	to		
	(A) logical design	(B)	physical design	n (C)	implementation	(D)	analysis
14.	The foreign key is fo	und in					
	(A) parent table	(B)	index table	(C)	master table	(D)	dependent table
15.	Which of the following	ng type o	of files requires				5.00
	(A) random files	(B)	indexed files	(C)	sequential files	(D) (lirect access files

324-(IV)-421-32000

COMPUTER SCIENCE

(INTERMEDIATE PART-II) 421

Paper II

Time: 2:10 Hours

SUBJECTIVE

Marks: 60

Note: Section I is compulsory.

(SECTION – I)

2. Write short answers to any SIX questions:

12

12

12

MS-ACCESS

- Define key.
- ii. What is table in database?
- iii. Write down the purpose of feasibility study.
- iv. List four data distribution strategies.
- v. What do you mean by IDE?

- vi. Define form.
- vii. List different types of action queries.
- viii. When is referential integrity used?
- ix. Differentiate between forms and reports.

3. Write short answers to any SIX questions:

C-Language

- i. Define high level language.
- ii. Give any four examples of high level languages.
- Differentiate between preprocessor directives and header files.
- iv. Write down the use of OR operator.
- v. List six relational operators in C Language.
- vi. What do you know about the data type in C Language
- vii. Predict the output of the following code segment:

int
$$a = 1$$
, $b = 2$, $c = 3$;
if $((a = b) \setminus (b = c) \setminus (c = b))$;
printf ("Yes");

else

printf ("No");

viii. Predict the output of the following code segment:

if (2 % 3 > = 1)printfy ("Yes"):

else

Printf("No");

.

ix. Find the errors:

if(x = 1 or 2)

printf (" % d ", x);

Write short answers to any SIX questions:

C-Language

- i. Compare getch and getche functions.
- ii. What is use of format specifier?
- iii. Define standard input.
- iv. Define function body.
- v. What is lifetime of local variable?
- vi. Define stream in file handling.
- vii. Determine output of following code:

int
$$x = 1$$
;
int $y = 10$;
while $(x <= 5 || y >= 1)$ {
printf ("%d - %d", x, y);
 $x = x + 1$;
 $y = y - 1$;
}

viii. Determine output of following code:

for (i = 1; i < = 10; i + +)

Printf (" %d %d ", i, i * i);

ix Trace out errors from following code:

int k=1

while $(k \le 5)$;

k = k + 1

printf (' % C ' k)

}

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(Turn Over)

(SECTION - II)

MS-ACCESS

Note: Attempt any ONE question of the following:

- 5. Describe four objectives and four features of database management system. (8)
- 6. When is a relation in 2nd normal form? Explain with example. (8)

(SECTION - III)

Note: Attempt any TWO questions of the following:

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C-LANGUAGE

- 7. What is programming language? Discuss the two main categories of programming languages. 2+3+3 (8)
- 8. Explain nested if statement with its purpose, syntax, flow chart and suitable program example. (8)
- 9. Write down a program that produces the following output:

0 1 2 2 4 2 2 4 2 3 8 4 16 5 32 6 64

324-421-32000

Computer Science (New Scheme)

(INTERMEDIATE PART-II) 419 - (IV)

Paper II



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 in the circles. Cutting or filling of two or more circles will result zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank.

MS-ACCESS AND C-LANGUAGE

tring to a file? C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is C) H?4 C) returned parameters C) while who as C) relational bedence?	(D) (D) (D) (D) (D) (D)	byte cell sort key H####					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is C) H?4 C) returned parameters C) while	(D) (D) (D) (D) (D) (D)	byte cell sort key H### call parameters for-next					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is C) H?4 C) returned parameters C) while	(D) (D) (D) (D) (D)	byte cell sort key H#### call parameters					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is C) H?4 C) returned parameters	(D) (D) (D) (D) (D)	byte cell sort key H#### call parameters					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is C) H?4 C) returned parameters	(D) (D) (D) (D)	byte cell sort key H####					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is C) H?4	(D) (D) (D) (D)	byte cell sort key H####					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is	(D) (D) (D) (D)	byte cell sort key					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key criteria is	(D) (D) (D) (D)	byte cell sort key					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute C) composite key	(D) (D) (D)	12 byte cell					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute	(D) (D) (D)	12 byte cell					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary C) attribute	(D) (D)	12 byte					
C) f puts () (x=1; x<=10; x++) C) 11 C) uniary	(D) (D)	12 byte					
C) f puts () (x=1; x<=10; x++) C) 11	(D)	12					
C) f puts () (x=1; x<=10; x++) C) 11	(D)	12					
C) f puts () (x=1; x<=10; x++)							
C) f puts ()	(D)	f gets ()					
C) f puts ()	(D)	f gets ()					
tring to a file?							
6. Which of the following function is used to write a string to a file?							
(A) unstructure language (B) structure language (C) object oriented language (D) software							
guage							
1000		•					
C) cardinality	(D)	modality					
acteristics of an object?	(-)						
C) easier programming	(D)	wizard					
<i>O</i>)	(D)						
C) .h	(D)	c					
J) 70 C	(D)	% d					
C) % c	(D)	0/ 4					

OR



MS-ACCESS AND VISUAL BASIC Pakcity.org

1.	The naming prefix for a label control	is			
	(A) lab (B) lbl	(C)	lbe	(D)	labi
2.	The output of the compiler is called				
	(A) program (B) source	e code (C)	linked code	(D)	object code
3.	It is simple to create database using.				
	(A) query (B) commo	on standards (C)	easier programming	(D)	wizard
4.	Which of the following is used to de	scribe the characte	ristics of an object?		
	(A) attribute (B) relation	onship (C)	cardinality	(D)	modality
5.	SQL is a(n)				
	(A) unstructure language (B) structure langua	age		
	(C) object oriented language (I)) software			
6.	Which keyword is used to trigger the	execution of anot	ther procedure?		
	(A) go (B) start	(C) call	(D)	run
7.	What will be the value of n after exe	cuting the following	ng code		
	For $n = 1$ to 10 step 2	232			
	print n	16/10/			
	Next				
	(A) 9 (B) 10 <	O. (C.) 11	(D)	12
8.	Which method is used to delete and	em from the list b	ox?		
	(A) remove item add		clear item	(D)	erase item
9.	The column of a table correspond to	EDUGA			
	(A) table (B) record	(C)	attribute	(D)	cell
10.	In 3NF, a non-key attribute must no	t depend on a(n)			
	(A) non-key attribute (B) key a	ttribute (C)	composite key	(D)	sort key
11.	To find a four character name that s	tarts with H, the cr	riteria is		
	(A) H*4 (B) H??	?? (C)	H?4	(D)	H####
12.	Every element of array has its own				
	(A) upper bound (B) inde	x (0	C) name	(D) syntax
13.	Which is post test loop?				
	(A) do-while (B) whi	le (C) for-next	(D)) for
14.	The default message box style is				
	(A) Yes No (B) Yes	No Cancel (C) OK Only	(D)	Retry Cancel
15.	Visual Basic is a product of				
	(A) IBM (B) Sun	System (C) Microsoft	(D)	Google
	28 PGU			32	26-(IV)-419-25000

Computer Science (New Scheme)

(INTERMEDIATE PART-II) 419

Paper II

Time: 2:10 Hours

SUBJECTIVE

Marks: 60

12

12

12

Note: Section I is compulsory.



2. Write short answers to any SIX questions:

MS-ACCESS

- i. Why is it important to specify data type and size of a field?
- Differentiate between master file ii. and transaction file.
- iii. Write any two purposes of using views.
- iv. What is the purpose of logical database design?
- How is referential integrity achieved? ٧.

- vi. Differentiate between partial dependency and transitive dependency.
- vii. What do you know about RDBMS?
- viii. What is the cardinality of a relation?
- ix. Differentiate between combo box and list bot

3. Write short answers to any SIX questions:

C-Language

- i. Define a program.
- What are delimiters? ii.
- iii.
- Declare two integer variables x and y in one declaration state. iv.
- Determine the output of the following code: v.

Find errors in following code:

int a

printf (" %d " a);

- vii. Define scanf () function.
- viii. Write a single printf statement to display the following text:

C:\My documents

ix. What will be the output of the following code: printf ("Book\n Reading\t is good habit");

OR

VISUAL BASIC

- 3. Write short answers to any SIX questions:
 - Define text box. i.
 - ii. Define object.
- What is the purpose of "name" property iii. of a control?
- What is load event? iv.
- Define class. v.

- vi. What happened when you hide a form?
- Define variable initialization. vii.
- viii. What is an expression?
- ix. Convert the following expression in VB.

$$x^2 + 3x - 4$$

(Turn Over)

Write short answers to any SIX questions: 12 C-Language i. What is the purpose of default label Write the syntax of for loop. v. in switch statement? vi. Convert the following code in do while loop. ii. Convert the following conditional expression int i = 1; into if-else statement. while (i < +15)x < 0? y = 10: z = 20; iii. Determine the output of the following code: printf ("a"); int p = 3, q = 5; i++; if(p>q)printf ("%d", p); vii. What is function call? viii. Define global variable. printf (" %d ", q); ix. What is binary stream? iv. Write the purpose of continue statement. OR VISUAL BASIC 4. Write short answers to any SIX questions: 12 i. What is the purpose of text property of a button? Define relational operators. ii. How to select a check box in code? vii. Draw the flow chart of While ... End ... While loop. iii. Define combo box. viii. Write the syntax of Do...While loop. iv. Write the limitation of IF ... THEN structure. Define Do...Until...Loop. ix. What is selection structure? v. (SECTION - II) Note: Attempt any ONE question. Briefly explain the database design process with the help of diagram. 5. 8 What is a form? Explain its uses and advantages. 6. (SECTION – III) Note: Attempt any TWO questions (either from "C-Language" or from "Visual Basic"): C-LANGUAGE 7. Discuss printf function in detail. 8 What is nested " if " statement? Explain its working with example. 8. 8 Write a program that displays counting from 10 to 1 using For loop. 9. 8 OR pakcity.org VISUAL BASIC 7. What is variable? Write down the rules to give name to the variable. 8 Define array. Explain its different types in Visual Basic (VB). 8. 8 Write a program that displays counting from 10 to 1 using For-Next loop. 9. 326-419-25000

(INTER PART-II) 418 - (I)

Time: 20 Minutes

OBJECTIVE

Marks: 1

Paper if

Code: 8831

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is a men fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two concircles will result in zero mark in that question. Attempt as many questions as given in objective type of all a paper and leave others blank.

MS-ACCESS AND C-LANGUAGE

1. 1	. Mu	ltiple copies of the	e same (data is referred to as	:				
	(A)	data integrity	(B)	data inconsistency	(C)	data redundanc	y (D)	data isolato:	
2	. A p	rimary key that co	onsists c	of two or more attrib	utes o	f a relation is cal	led:		
	(A)	sort key	(B)	candidate key	(C)	sub key	(D)	composite ac-	
3.	. In t	-R diagram, recta	ingle is	used to represent:				:	
	(A)	entity	(B)	attribute	(C)	primary key	(D)	relationship	
4.	In 2	NF, which form	of deper	ndency is removed:					
	(A) transitive dependency (B) partial dependency								
	(C)	associative depe	ndency		(D)	consistency der	sendency		
5.	The	example of popu	lar DBN	AS is:		0/13			
	(A)	MS-Word	(B)	MS-Access	Me of	MS-Excel	(1):	MS-Power Point	
6.	The	maximum length	of text	type field in MS-AG	1255 is	s:			
	(A)	50 characters	(B)	250 characters	(C)	155 characters	iDi	255 character	
7.	The	extention of head	ler file i	s: ()		300			
	(Δ)	.c	(B)	END COL	(C)	Juf	(D)	.lı	
8.	In C	the maximum le	neth of	variable name is:	ug/	ATION S			
	(A)	25 characters <	(JB)	255 characters	(C)	31 characters	(D)	55 characters	
9.	Whi	ch function is use	d to dis	play output on scree	n in C	-Language?			
	(A)	scanf()	(B) p	printf()	(C)	gets()	(D)	print	
10.	Whi	ch statement is us	ed for n	naking two way dec	ision?	y.org			
	(A)	if	(B) r	nested-if	(C)	while	(D)	if-else	
11.	Whi	ch of the followin	g is not	logical operator:					
	(A)	&&	(B)		(C)	!	(D)	>=	
12.	How	many types of lo	op struc	cture are in C-Langu	age?				
	(A)	5	(B) 4		(C)	2	(D)	.1	
13.	Wha	t will be the value	of x at	ter executing the fol	lowin,	g code?	3	s	
			fort	x=1; x<-7; x-+);			₩ pa	akcity.org 🎇	
			prin	uf("%d",x);			9		
	(A)	5	(B) 7		(C)	8	(D)	1	
14.	A fui	nction does not re	turn any	value has return ty	pe:				
	(A)	nothing	(B) flo	oat	(C) -	void	(D)	int	
15.	Whic	h mode opens on	ly an ex	isting file for both r	eading	and writing?			
	(A)	"r+"	(B) "v	v"	(C) '	'w+"	(D) -	'a''	



1.	Multiple copies of the	e same da	ta is referred to as:				
	(A) data integrity	(B) (data inconsistency	(C)	data redundancy	(D)	data isolation
2.	A primary key that co	onsists of	two or more attribu	utes o	f a relation is called	l:	
	(A) sort key	(B) (candidate key	(C)	sub key	(D)	composite key
3.	In E-R diagram, recta	ingle is u	sed to represent:				
	(A) entity	(B)	attribute	(C)	primary key	(D)	relationship
4.	In 2 NF, which form	of depen	dency is removed:				
	(A) transitive depend	lency		(B)	partial dependenc	У	
	(C) associative depo	endency		(D)	consistency deper	ndenc	y
5.	The example of popu	ılar DBM	IS is:				
	(A) MS-Word	(B)	MS-Access	(C)	MS-Excel	(D)	MS-Power Point
6.	The maximum length	h of text t	type field in MS-Ac	cess i			
	(A) 50 characters	(B)	250 characters	(C)	3 characters	(D) 255 characters
7.	The icons on toolbox	k represer	nts	1/25)		
	(A) property	(B)	program load	(C)	label	(D)	V.B. controls
8.	All are examples of	controls (except:	*	200		
	(A) label	(B)	textbox	(C)	property	(D)	list box
9.	Visual Basic has a(r	ı): 🕠		UCA	TION		
	(A) Assembler	्रिष्ठ)	Interpreter	(C)	Linker	(D)	Compiler
10.	Forms & controls ar	e collecti	vely called:	Andre I	A Social in Manager In Page 2		
	(A) properties	(B)	methods	(C)	events	(D)	objects
11.	To exit the window	of Visua	Basic press the fol	lowin	g.org		
	(A) Alt+F6	(B)	Ctrl+F9	(C)	Alt+F9	(D)	Alt+F4
12.	The naming pre-fix	for label	control is:				
	(A) lbe	(B)	lab	(C)	lbel	(D)	161
13.	Which control is us	ed to cho	ose one item from t	he pro	e-defined list?		
	(A) text box	(B)	check box	(C)	list box	(D)	radio
14.	The expression 20/2	3 gives:					
	(A) 2	(B)	6.333	(C)	6	(D)	60
15.	How many times th	e followi	ng loop will execut	e?			
	for j=	=10 to 1 s	tep-2				
	Next						
	(A) 5 times	(B)	10 times	(C)	6 times	(1)	4 times
						3	332-(1)-418-20000

Computer Science (New Scheme)

(INTER PART-II) 418

Paper H

Time: 2:10 Hours

SUBJECTIVE - pakcity.org

Marks: 60

Note: Section I is compulsory.

(SECTION - 1)

2. Write short answers to any SIX questions:

12

MS-ACCESS

- i. What is the use of DML?
- ii. List three examples of database systems.
- iii. Define primary key.
- iv What is a relationship?
- What is a repeating group? ٧.

- What is a functional dependency? vi.
- List three methods to create table in MS-Accevii.
- Write the use of data sheet form. viii.
- Differentiate between form and report. ix.

3. Write short answers to any SIX questions:

13

THI DOUG

Write shortcut key to compile and run i.

C-program.

viii. Write output of the following code:

int a, b, c:

a = 15:

b = 10:

c = a + 5:

printf("c = %ad", --c);

- ii. What is the use of define proprocessor?
- iii. Define delimiters.
- Why C is known as strongly typed language? iv.
- How does cancellation error occur? ٧.
- vi. Write output of the following code:

int
$$x = 5$$
:

printf ("%d %d", 2 * x , 3 * x):

vii.

Name any four format specifiers provided by C.

Find errors from the following code: ix.

#include < stio h >

void main ()

int x = 10, y = 13:

X = ++V;

 $\mathbf{v} = \mathbf{x} \cdot \cdot :$

printf in %d %d", x .v):

(Turn Over)

VISUAL BASIC

3. Write short answers to any SIX questions:

- What is project window? i.
- Differentiate between project file and form file. ii.
- State the purpose of name property of a control. iii.
- Define focus. iv.
- Write the use of KeyUp and KeyDown events. V.
- Show output of following code: vi.

Dim x As Integer

Dim y As Integer

Dim z As Integer

x = 11

y - 23

z = x

x = y

y = z

Write short answers to any SIX questions:

- When you must use curly braces (With v. Wh selection structure.

 Show output int n = 1 i.
- ii.

$$int n = 1, m = 2;$$

$$if(n == m)$$

printf("%d", n);

else

if(n = m-1)

printf("%d %d", n . m);

Trace errors in the following code: iii.

int n = 7:

ifin > 4 && < 10)

printf(n is valid):

printf("n is invalid"):

Define infinite loop. iv.

- Explain the use of option explicit statement in vii. Visual Basic.
- Find errors in the following code: viii.

Dimm A As Integer

Dim B As Integer

A = 2 * 10

B = 3 * 5

Print A Mod B:

Write output of the following code: ix.

Const Length As Double = 12

Const Width As Double = 4

Dim Perimeter As Double

Perion 2 * Length + 2 * Width

The Perimeter of the rectangle is" & Perimeter

What is the output of following code.

int n - 1;

while($n \le 10$)

if(n % 2 == 1)

printf("%d", n);

n++:

Convert the following code into "for" loop: vi

int i = 1:

while (i <= 10)

printf("%d", i):

Write the syntax for function declaration. vii.

What is function definition? viii.

What is the use of fopen() function? ix.

(Contd...P/3)

12

12

Gujranwala Board-2018 OR VISUAL BASIC

4. W	rite short answers to any SIX question	ns:		1.2
i.	What is the use of Val function?	vi.	What is the output of following code?	
			Dim n As integer	
ii.	What is a relational expression?		n = I	1 98%
	* \$ automotive (control of the control of the contr		While n <= 20	- OF
iii.	Find output of following code:		If n mod $3 = 0$ Then	
	Dim n, m As Integer		Print o	
	n – 1		End if	
	m = 2		Wend	
	If n = m Then	vii.	Predict the output of following code:	
	Print n		Dim n, m as Integer	
	Else		m = 10	
	If $n = m - 1$ Then		n = n + 2	
	Print o		m m	
	Print m	~	Print m	
	End If	VA	Skind errors in the following code:	
	End If	NSOV	Dim x as in;	
		Collin	If x < 3 Then	
iv.	What is nested loop in Visual Basic?	300	Print x	
	apr	A PRIL	End	
V.	Define Do-While loop in Visual Basic.	ix.	Explain the difference between Do-While	
		CECTION	and For-Next loop.	
		MS-ACCE		
Note	e: Attempt any ONE question.	nak	city org	
5.	What is data modeling? What are the ingr		modeling?	8
6.	Discuss different types of forms in MS-A		Ш	8
Vot	e: Attempt any TWO questions (ci	(SECTION "C	- 1111) "-Language" or from "Visual Basic"):	:
	c. Attempt any 1 % o questions (c.	C - LANGU		
7.	Write any eight rules for naming variable			S
8.	Write a program that inputs a week day n	umber and prin	ts the name of day on screen using	8
9.	switch case structure. What is do-while loop? Explain its working	ng with exampl	e.	8
		OR		
_		VISUAL BA		
7. 8.	Discuss implicit and explicit declaration of Write a code in Visual Basic that inputs a			8 8
0.	in a message box using SelectCase stru		or and supplied the training of the stop	**
9.	What is Do-While loop? Explain its work	ing with examp		. გ
			332-418-20000	i