公分分 Roll No

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

Computer Science (Objective)

Time: 20 Minutes Marks:

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

				MS-ACCESS			
1.1	In an ER diagram, the rectang	le represen	its:				
	(A) Attribute	(B)	Entity •	(C)	Record	(D)	Relationship
2.	In 3NF, a non-key attribute mu	150 1216 2 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		/ 0\	.	/ D\	4131
	(A) Key attribute		omposite attribut	e (C)	Primary attribute	(D)	Non-key attribute
3.	The output of the query is in the	100 <u></u>		<i>(</i> C)	Toblo	(C))	Report
1	(A) Form	(B)	Object	(C)	Table	(D)	Report
4.	In MS Access, text type allows (A) 254	(B)	255 —	(C)	260	(D) ⁻	266
5.	(A) 254 Select a data model which is n			(0)	2.00	(0)	200
J .	(A) Network data model		ierarchical mode	(C)	Logical data model	(D)	Relational data model
6.	In a table, each primary key va			. (-)		(-)	
	(A) Unique	(B)	Summarized	(C)	Non-unique	(D)	Null
		N = W		-LANGUAGI	E	* : <u>*</u> *	
7.	Format specifier $\% .3f$ for the	e value of	005 will produ	ice output:			
	(A) \(\pi\).005	(B)	005	(C)	□ 005	(D)	-0.005
8.	Select a statement which is us		Various Anna Con-ess	-			
	(A) Switch	(B)	If —else	1411-12-14-1	If	(D)	nested if
9.	Consider $x = 12$ and $y = 1$	3, the outpo	ut of the express	ion $x > y$?	2x+y:x-y; will	l be:	
	$(A) \qquad -1 \bullet$	(B)	1	(C)	25	(D)	15
10.	Select the loop in which condit	ion is writte	n before the bod	y of the loop:	*		
	(A) do – while loop	(B)	wend loop	(C)	infinite loop	(D)	while loop 🛑
11.	Local variables are created in:	51111 20040					
	(A) Hard disk	(B)	ROM	(C) (RAM	(D)	Cache
12.	On successfully closing a file,	the fclose () returns:	Q(23)			
18030	(A) Null	(B)	0	SACA	1	(D)	-1
13.	A program that combines obje	NO CONTRACTOR OF THE PARTY OF T	\ ' \	>			
.21.31	(A) Linker	(B)	Loader	(C)	Preprocessor	([D) Interpreter
14.	An equivalent expression to a_i	950 Transpage N	(0)			(-)	
45	(A) $b/=a$	(B)	$(a) \Rightarrow /b$	(C)	a = a/b	(D)	b = b/a
15.	Select format specifier that dis	plays chara				(D)	0.4
	(A) % d	Ton	% f	(C)	4 CIC	(D)	% X
7	Coloot the energian used for of	ing papagi	(OR)	VISUAL B	ASIC		
١.	Select the operator used for sti	1945) 1945)		\ (C)	Motion (Colorab)	(12)	I (mlaum ni nm)
8.	(A) —(Under score) In VB which statement is used		(Ampersand)	(C)	/(slash)	(D)	+ (plus sign)
0.	(A) Sub	(B)	Dim	na(C) its	Identifier	(D)	Event
9.	The entire select case construc			pareit	delimer	(0)	LVCIII
ν.	(A) End Select	(B)	Case Else	(C)	End if	(D)	Stop select
10.	The statement that will immedi	A		• •	Enter Ly	(0)	Otop solosi
110.1	(A) End for	(B)	Exit loop	(C)	End loop	(D)	Exit for
11.	Select a control which is invisit		:•1	(~)		()	
	(A) Label	(B)	Image	(C)	Timer	(D)	Drive List Box
12.	A window that requires the use	r to take so	•		an move to another for		
	(A) Modelessly	(B)	Modal	(C)	Modular	(D)	Module
13.	The rectangle symbol in flow c	hart indicat	es:				
	(A) Process	(B)	Input	(C)	Output	(D)	Condition
14.	In Visual Basic, a form is anoth	ner name fo	or:				
	(A) Tool	(B)	Property	(C)	Object	(D)	Code
15.	The property that changes text	color is:				200	
	(A) Back color	(B)	Font color	(C)	Fore color	(D)	Text color
3	8	* *		633-12-A		N. The state of th	
	pakcity.org						
6							

Roll No ______ to be filled in by the candidate

HSSC-(P-II)-A/2024

Computer Science (Subjective)

(For All Sessions)

Time: 2:10 hours

SECTION-I

MS-ACCESS

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

(6x2=12)

Marks: 60

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

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

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

C- LANGUAGE

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

(6x2=12)

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

Int a=7;

Int y=3;

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

iv. Find errors in the following:

{

Int c=7

Print f ("%d", C

main()

}

Void

- v. Compare getch and getche function
- vi. Find errors in the following code segment:

Void main ()

int x = 5;

int y

sum = x + y

Printf ("% d", sum);

vii. Find the output of the following code segment:



Void main ()

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

Print f ("| n Bye");
}

ix. Define file pointer.

viii. How file is opened in C-Language?

(OR) VISUAL BASIC (V.B)

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

v. Describe key up event.

vi. Distinguish between hiding and closing of a form.

vii. Define focus.

viii. Name and explain two styles of combo box

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

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

(6x2=12)

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

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

Write the syntax of do while loop.

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

Printf ("Pakistan");

Determine output of following code:

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

Printf ("%d", P);

C- LANGUAGE

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

VISUAL BASIC (OR)

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

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

What is concatenation and when would it be useful?

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

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

Print i * i i = i + 1

Loop while $i \le 5$

SECTION-II

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

(8x1=8)

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

SECTION-III

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

(C-Language)

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

(VISUAL BASIC)

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

Computer Science (Objective) Note: Write Answers to the Questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or Pen ink on the answer sheet provided. **MA-ACCESS** Rawalpindi Board-2023 In ERD model, the relationship between the two entities is represented by a: 1.1. (C) (D) Line (B) Rectangular box Oval symbol (A) Diamond symbol In 3NF, a non-key attribute must not depend on a (n): 2. Key attribute (C) Composite key (D) Sort key Non-key attribute (B) 3. The data in table is entered in: (C) (D) Layout view Data sheet view Design view (B) Normal view How many are the layout of Form? 4. (C) (D) 3 (A) Which of the following represents a collection of concepts that are used to describe the structure of a database? 5. (C) Data structure (D) Data type Data model (B) Data warehouse Insert command is used to insert: 6. (D) Dependencies (C) A view A new table A new record C-LANGUAGE The function getche () is defined in: 7. (D) Conio.h (C) Math.h String.h Stdio.h Which of the following is NOT selection statement? 8. While (17) If-else (B) Switch (Q)(A) When condition never becomes false the loop becomes: 9. (C Finite 1000 (D) ested lo Continuous loop Infinite loop (B) (A) Function prototypes for built-in functions are specified in: 10. Image files Object files D) Header files (C) Source files C language was developed in: 11. (D) C 1977 1974 197 (A) 1969 12. To compile a C language program use: Alf+F9 F3 (C) Alt+55 F2 Which of the following operator has the lowest procedule? 13. (D) (Q) (A) == " represents: 14. Assignment operator (D) Logical operator Arithmatic operator Relational operator (A) b is equivalent to: 15. a /= (D) b = b/a(C) a = a/b(B) b /= aa = /(A) BASIC VISUAL The statement that will immediately terminate a For... next loop is: 7. Exit for (D) (C) End loop Exit loop (B) The upper bound of array with 10 values is: 8. 5 (C) 9 (D) 01 (B (A) Which method causes the control to be re-drawn? 9. (D) Move Set focus Visible (C) Refresh The prefix for naming a menu item is 10. (D) Mn 1B) (C) mne mnu (A) The diamond symbol in a flow chart indicates: 11. Output (C) Process (D) Condition (B) Input (A) To exit visual basic: 12. Ctrl+Z (D) (C) Alt+Q Alt+1 Ctrl+Q (B) (A) One can enter data in a control only when it has: 13. (D) Mask Tab order (C) Control (B) Focus (A) The expression 3 mod 5 has a value equal to: 14. 0 (D) (C) 1 3 2 (B) The entire select case construct is terminated with: 15. Stop select End select (D) End if (C) (B) (A) Case else

HSSC-(P-II)-A/2023

(For All Sessions)

Paper Code

Time: 20 Minutes

Marks: 15

to be filled in by the candidate

(6x2=12)

(6x2=12)

(6x2=12)

SECTION-

Rawalpindi Board-2023

ns access Write short answers of any six parts from the following:

2. What is data redundancy? Define synonym. Í. ii.

How many primary keys can be defined in a table? iv.

How referential integrity is attained?

What is the use of query wizard? VIII.

What is the role of data administrator?

Why is list box used in form? V.

What do you mean by IDE? vii.

How does a data base differ from a table?

Distinguish between compiler and interpreter.

CLANGUAGE

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

What is high level language?

Why the logical error is the most difficult to trace?

Write the legal character for an identifier.

Rewrite the expression x+=2, without using compound assignment operator

Predict the output of the following code segment:

int x = 13;

int y = 3;

Print of ("%d %d %d", x/y, y, x, x%y);

How is a file closed?

Find error in the following code segment:

Integer x, y, sum

z = x + y

iv.

Print's ("sum = %d", z);

Define syntex error.

(OR) VISUAL BASIC Write short answers of any six parts from the following: 3.

What is high level language?

Why the logical error is the most difficult to trace?

Write the legal character for an identifier. V.

Determine output of following dode segment:

ij. Distinguish between compiler & interpreter.

Define syntax error. iv.

vi. peline mause down event.

What is key up event What is mouse move event?

C LANGUAGE

Write short answers of any six parts from the following:

Determine output of following code segment:

(to) How form is unloaded?

Int X = 1, Y = 3, x = 3;

lf((X == Y) //(Y == z)!! (z == 2)

intf("Yes");

print ("No");

What is nested loop?

Write following statement in C

Temperature is between 25 and 35.

What happens if break is phissed in case block? Differentiate between while and do while loop.

What is the use of scanf () function?

Print f ("Result = %d %d", a.b.

Convert tollowing code into for loop: VIII.

Define clrscr() function?

Int c=2

Int n, a, b;

n = 400;

a = n % 100;

Do

IX.

Print f("%d", C);

While $(C \leq 5)$;

(OR) VISUAL BASIC

Write short answers of any six parts from the following:

What are Active X control i.

Define procedure level variable.

Which function loads a picture at run time? ٧.

Define" locked" property of textbox. VII.

Define combo box control.

Define command button control.

What is the purpose of "caption" property of control? IV.

What is meant by event procedure? V.

Differentiate between image and picture control.

SECTION-II

Attempt any one question from the following: (M.S ACCESS) Note

Explain features of database management system. 5.

What is ER diagram? Give an example of ER diagram

SECTION-III

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

"Visual Basic"

"C-Language" Define "if-else-if" statement. Explair: its working with syntax, flowchart and example.

Write a program in C-language which prints the sum of the following series by using loop:

Briefly describe the process of writing a function in C-language

Define "if -- then -- else -- structure? Explain its working with syntax, flowchart and example.

Write a program in VB which prints the sum of the following series by using loop:

Briefly describe the process of writing a function in VB

Roll No._____To be filled in by the candidate (For all sessions) Paper Code 8

Computar Saignes

•	Computer Science (Objective Type)			
Tiı	me: 20 Minutes				Marks:15
NC	OTE: Write answers to the questions on objective answer	sheet	provided. Four possible	ans	
	ch question are given. Which answer you consider correct,				
	nt of each question with Marker or pen ink on the answer s				
			🥦 🦓 pakc	itv.	ora 🎥
	MS-A		SS G.		360
.1.	Which of the following object of database is used to re-	lrieve	data from database?		
	(A) Queries (B) Forms	(C)	Reports	(D)	Tables
2.	A referential integrity constraint is a rule that maintains	consi	stency among the:		
	(A) columns of two tables	(B)	two columns of same	tabl	e
	(C) rows of two table	(D)	attribute of two tables		
3.	Arithmetic manipulation of data is known as:	555 5	3.00		
	(A) Summarizing (B) Classifying	(C)	Sorting	(D)	Calculations
4.	An attribute is also known as:	(-)		(0)	Calculations
	(A) Field (B) Table	1001	A CW	(12)	Delation
5.	In ERD Model, the relationship between two entities is	1100	contact by a:	(U)	Relation
•	(A) rectangular box (B) oval symbol)		(D)	P
6	Every relation must have a:	(0)	diamond symbol	(D)	line
Ο.	(0)	(0)	30/		
	(A) candidate key (B) primary key C-Lar	(C)	secondary key	(D)	alternate key
7.	A loop inside the body of another loop is:	igua	ATION		
	(A) For loop (B) while loop	(C)	nested loop	(D)	infinite loop
8.	Function prototypes for built-in functions are specified i		Nortes	(-)	minic loop
_	(A) source files (B) header files	(C)	object files	(D)	image files
9.	Every statement in a C program terminates with:	leas!			
10	(A) Colon (B) Semicolon preprocessor directives are commands for:	(C)	Delimiters	(D)	comma
	(A) Microprocessor	(B)	Language processor		
	(C) Loader	(D)			
11.	Which of the following operators has lowest precedent		- Proproducti		
	(B)	(C)	22	(D)	+
12.	The logical not operator, denoted byl, is a:				
12	(A) Uniary operator (B) Ternary operator The escape sequence for Tab is:	(C)	Binary operator	(D)	Bitwise operator
10.	(A) \f (B) \n	(C)	10	/D \	14
14.	The format specifier %f is used for:	(0)	11	(D)	11
	(A) Character (B) Integer		Double	(D)	Float
15.	A compound statement refers to a group of statements	encle	osed in:		*
	(A) () (B) {}	(C)		(D)	n n
	637-12-	4-227	₹		

Inter-(Part-II)-A-2021

(For all sessions) To be filled in by the candidate Roll No. Computer Science (Essay Type) Marks: 60 Time: 2:10 Hours (MS-ACCESS) Section-I $2 \times 6 = 12$ 2. Write short answers of any six parts from the following. ii. What do you mean by primary key? i. List two properties of relation. iv. What is cardinality? iii. Define data modeling. vi. What are reports? v. How is MS-ACCESS loaded? vili. Write uses of query. vii. What is Join?Write its purpose. ix. Write two advantages of using a microsoft ACCESS IDE. (C-Language) 2 x 6 = 12 3. Write short answers of any six parts from the following. Describe header file. i. Why is C known as strongly typed language? iv. Give any four examples of valid variable names. iii. Write shortcut key to run a C-program. vi. What is high level language? v. Differentiate between constant and variable. vii. Determine the output of the following code viii. Find errors in the following code int P=20 segment: if $P \ge 5$ int m=0, n=5 if(m%n>1) printf("success"); else printf("Failure"); ix. Write an expression in C-language for the giver statement: age is from 18 to 25. 4. Write short answers of any six parts from the following. $2 \times 6 = 12$ ii. Define the term stream in context of file handling. i. Write the syntax of printf and scanf functions. Iv. Find the errors in the following code segment. iii. What is meant by character input · C-programming language? a=10; Avg=0; While(a<=10); Avg+=a v. Trace the output of the following piece of code. vi. Determine the output of the following code segment. pakcitintj=5; for(int x=1;x<=10;x=x+4) printf("%d\n",x); While(i <= 15) printf("Pakistan\n") j=j+2; vii. Write down any two benefits of functions. viii. What is meant by scope of variable? ix. Enlist escape sequences used for different purposes. Section -II (MS-ACCESS) 8x1=8Note: Attempt only one question from the following. pakcity.org 5. Write four major components of database system. 08 6. Define functional dependency. How do partial dependencies affect a relation? 08 Section -III (C-language) 8x2=16 Note: Attempt any two question from the following. 7. Define programming language. Discuss two main types of programming languages. 08 8. What is control structure? Briefly describe basic control structures of C program. 08 Write a program that prints odd numbers between(1 to 100) using for loop. 08 638-12-A----

Oll NO._____To be filled in by the candidate

(For all sessions)

Paper Code 8 8 3 1

'omputer Science (Objective Type)

ime: 20 Minutes

Rawalpindi Board-2019

Marks: 15

PTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each estion are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question. Marker or pen link on the answer sheet provided.

MS-ACCESS

	M9-W	CCE	33		
١,	The logical grouping of characters is a:				
	(A) File (B) Record	(C)	Field	(D)	Database
2.	A virtual table that is constructed from other tables is o	alled		,	
	(A) view (B) Table		Relation	(D)	Tuele
t	In an ER diagram,a diamond represents:	10,	Noiblon	(0)	Tuple
٠.					
	(A) Entity (B) Attribute	(C)	File	(D)	Relationship
٠,	Which form of dependency is removed in 3NF?				
	(A) Full Functional (B) Non-Functional	(C)	Transitive	(D)	Partial
j,	The maximum number of tables in a database are:				
	(A) 01 (B) 02	(C)	03	(D)	Many
:	In MS-Access, Find and replace command is found in:			,-,	,
11	VVVIIIN SOCIO	(0)	\ f =		
	(A) File menu (B) Edit menu		View menu	(D)	Tool
,	C-Lar	igua	ge 🔻		
٠.	Division by zero (e.g., 5/0) is an example of: (A) Compiler error (B) Run time error	(C)	Custom	1	
2	Which of the following operators has lowest precedent		Syntax error	(U)	Logical error
٠.	(A) = (B) +	(C)	. 10	101	
4	The escape sequence for backlash is:	(0)	~ M	(D)	3
	(A) \ti (B) \b	(C)		(D)	11
٥.	An if statement inside another if statement is called:	WT(37~	(0)	**
	(A) if statement (B) if-else statement	(c)	Nested if statement	(D)	switch statement
1.	When a retational expression is false, it has the waiter		X	,-,	
	(A) 0 (B) 1	10	.1	(D)	5
2.	Which statement causes a loop to terminate early?				
	(A) End (B) terminate	(C)	break	(D)	exit
3.	Which of the following is a loop statement in C?		JUGALION	Y	
	(A) If-else-if (B) witch	(C)	iflelse	(D)	for
4.	Global variables are created in:	1 .	esta Norton		
	(A) ROM (B) RAM	STATE OF	Cadhe	(D)	Hard disk
i.	On successfully closing a file in C,the fclose() returns:				
	(A) 0 (zero) (B) NULL		1(ON度)	(D)	File pointer
,	OR Visua				
•	Which event detects the pressing of standard displayal				
2	(A) Keyboard (B) Keypress Which datatype is used to handle a Yes or No response		Click	(D)	Load
υ.	(A) Boolean (B) Short		Integer	(D)	D-1-
4	The default message box style is:	(0)	inegei	(U)	Date
•	(A) Retry cancel (B) Yes No Cancel	(C)	Yes No	(D)	Ok only
0.	IFEND IF statement inside another IF statement is ca		100110	10,	On Only
	(A) IFEND IF statement		FThen statement	රේ	1 11
	(C) Nested IF statement		IFELSEF	※	pakcity.org
١.	The expression 15 MOD 4 has a value equal to:			E.	
	(A) 3 (B) 5	(C)	7	(D)	9
2.	The statement that will immediately terminate a FOR	NEXT	loop is:	. ,	
	(A) EXIT (B) Terminate	(C)	Exit For	(D)	END
	Which of the following is a loop statement in visual basis	ic?		•	
	(A) IFThenElse (B) IFELSE		IFEND IF	(D)	FORNEXT
	How many options can be selected if a frame contains				
	(A) 0 (B) 1	(C)	2	(D)	3
	Data can be entered in a control only when it has:				
	(A) Focus (B) Mask		Event	(D)	Method
	837 ₋ 01	2-A T	7		

Inter-(Purt-II)-A-2019

(For all sessions) To be filled in by the candidate Roll No. Computer Science (Essay Type) Time: 2:10 Hours Marks: 60 Section -I MS-ACCESS 2 x 6 =12 2. Write short answers of any six parts from the following. i. List file names from usage point of view. II. Who is a data administrator? iii. Define attribute with example. iv. Why is Normalization used? v. Define data integrity. vl. Define form. vil. State the use of wild cards. vill. What are check boxes? lx. Differentiate between data redundancy and data inconsistency. C-Language 3. Write short answers of any six parts from the following. 2 x 6 *12 I. Write the purpose of define directive. 1. Why do you include "stdio.h" header file in c-program? ill. What is the purpose of include directive? lt. Determine output of the code. int x=15: Ont y=5; printf("%d \t %d",x%y,x/y); v. What is compound condition? Give an example. How an arithmatic overflow occurs? ANNANA JOSE vill. Determine the output of the following code. vil. Find errors int a#10: Include <stdio.h> int b=12; void main (void) inf c: d=0+b: Enx toi printf("c=%3d",--c): pripit("%d",x); ix. Write the use of printf() function with an example. 4. Write short answers of any six parts from the following: 2 x 6 =12 I. Determine the output II. Find the error if (7%3==0) void main () printf ("Punjab"): Far (int h=1; n<=5, n++) printf("%a",n); printt ("Sindh"); iii. Define compound statement. Iv. What is nested loop? v. Determine the output vi. Find the error Int ne'1 void main () da int y=10: print ("%d \n",n); IFF (y==5) n++: printf("%d" y); } While (n<=5); vil. Why is function used in program? vill. Describe function definition.

Ix. Compare binary and text stream.

OR Visual Basic

. Write short answers of any six parts from the	following.	2 x 6 =12
. What is program?	II. Which language translator is used in visual	basic?
. How visual basic code is executed?	 Define the purpose of code window. 	
. What is difference between project and form.	vi. Define event and method.	
Determine the output.	vill. Find errors in the code.	
DIM x As Integer	DIM x As float	
x =7/3	x=3.5 x+x=7.0	
. What is active-x control?	X*X*/.U	
. Write short answers of any six parts from the	following.	2 x 6 =12
. Define compound statement.	II. What is nested loop?	
Find the error	lv. Determine the output	
Dim y=10; as integer	Dim n=1 as Integer;	
IFF y=5 than	do	
print y	print r	
	n=n+10.	
	Loop While n<=5	
Determine output	vi. Find the error	
if (7%3=0) then	DIM n=1 as integer	
print ("Punjab")	For m=1 to 5	
eise	print n	
print("Sindh");		
print("Sindh"); . Why is function used in program? . Compare binary and text stream.	vIII. Describe function definition.	
. Compare binary and text stream.	FEDUCATION	
	ection -II ALON	
	S-ACCESS	
er Attempt only one question from the following.	Tanking Landstone From	8x1=8
Define data modeling. Explain ingredient of data mo	deling.	08
List down different data types in MS-Access. Discuss	s four data types. / . Org	08
Se	ection -III	
e:Attempt any two questions either from "C-langu	rage" or "Visual Basic".	8x2=16
C-I	anguage	
Define data type and describe three types in petail.		80
Write a program in C Janguage that Inputs a number	r and finds whether it is positive, negative or zero.	08
Define while loop and differentiate while and do-whi	le loop in detail.	80
Vis	ual Basic	
Define data type and describe three types in detail.		08
Write a program in Visual basic that inputs a number	er and finds whether it is positive, negative or zero.	08
What is Do-While loop?Discuss flowchart,syntax and		08
	B-012-A	

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(A) 20

(B) 1

Session;2015-2017&2016-2018

Computer Science (Objective Type)

Time: 20 Minutes Marks: 15

NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

			MO ACCE	-		
1.1.	The graphical query tool is	s known as:				
	(A) Query grid	(B) Design grid	(C)	Query form	(D)	Design form
2.	A form within another form	is called:			(-,	- oo.go
	(A) Sub form	(B) Main form	(C)	Multiform	(D)	Handas
3.	The extension of image fil		(0)	WididiOilli	(U)	Header
J .						
	(A) .exl	(B) .doc		.bmp	(D)	.ppt
4.	A primary key that consist	s of more than one a	ittributes is ca	lled:		
	(A) Foreign key	(B) Composite key	(C)	Multi valued key	(D)	Global key
5.	Merging the relation is als	o known as:				Asserted to the contract to the contract of th
	(A) view integration	(B) view entities	(C)	view tables	(D)	view relations
6.	A report may be based on	:	350 5	^	\- ,	
	(A) Table	(B) Field	(C)	Byte	(D)	bits
	, ,	(=)	C-Langua	\ / //	(D)	Dits
7.	While Loop is also called:					
	(A) Conditional loop	(B) Wend loop	(C)	Counter loop	(D)	Nested loop
8.	Which is a loop stunt?	151-1401	Call		(-,	
	(A) if	(B) if else	(c)	switch	(D)	for
9.	A built-in function:		90)	* -		
	(A) cannot be redefined			cannot return value	(D)	should be redefined
10.	The following function is us	1 41 -	/ A. Y. Aller		02200	
11	(A) putc()	(B) geto	(C)	fputs()	(D)	fgets()
11.	The ".exe" file in c-languag (A) Linker	(B) Loader	(0)	Compile	(D)	
12	Variable cannot contain a	111/2	(0)	Compiler	(D)	Interpreter
		(B) Underscore	(C)	Letter	(D)	Deriod
13.	Which of the following is n			Lotter	(0)	Period
	(A) \t	(B) \v	(C)	\v	(D)	\f
14.	Another term for a condition	onal operator,		city.org	ν-,	-
	(A) Ternary	(B) Binary	(C)	Byte	(D)	iteration
15.	Conditional operator takes					
	(A) one operand	(B) Two operands		three operands	(D)	four operands
7	OR		Visual Ba	sic		
1.	Logical operator: (A) And	(B) -	(0)			
8	How do you find loop state	(B) =	ions?	>=	(D)	<>
•	(A) if else	(B) if		switch	(D)	for
9.	The keyword use to termin		(-)	SWILO.	(0)	101
		(B) End do	(C)	Exit do	(D)	End while
10.	in counter controlled loop i	it is important to decl	areand	counter variable:	ν-,	
		(B) Initialize	(C)	Size	(D)	Specify
11.	The ".exe" file in visual bas					
40		(B) Loader	(C)	Compiler	(D)	Interpreter
12.	In Visual Basic variable ca					
12	(A) Number	(B) Underscore		Letter	(D)	period
13.	Which form property will po (A) Title	ut text into title bar of (B) Border text		Tout	/ D:	
14	Another term for a condition		(0)	Text	(D)	Header
		(B) Binary	(C)	Byte	(D)	Iteration
15.	MoDt is:		(-)	-/	(0)	noradori

(C) 0

(D) 2

Inter-(Part-II)-A-2018

Roll No. To be filled in by the candidate

Sessions:2015-2017&2016-2018

Computer Science (Essay Type)

Time: 2:10 Hours pakcity.org

- 2. Write short answers of any six parts from the following.
 - Describe network model.

i. Define data manipulation. iii. Write any two uses of form.

iv. Define the term cardinality.

v. Describe the term synonym.

vi. Briefly explain normalization.

vii. State the use of reports.

- viii. Define filter.
- ix. Differentiate between fixed length and variable length field.

C-Language

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

2 x 6 = 12

Marks: 60

2 x 6 = 12

- i. Differentiate between compiler and Interpreter.
- ii. Define object code.
- iii. State the purpose of header file.

- v. Enlist logical operators.
- vii. Find the error

- vi. Define escape sequence.
- viii. Find the error

Void main ()

void main ()

int c=7 printf("%d",C:

int a=10 printf("%d",a)

iv. What is assignment operator?

ix. Write the output

float f=3.14159: printf ("%8.4f",f);

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

2 x 6 = 12

- i. Find out two errors from following code.
 - if (x==y)

printf("hello")

iii. Describe selection structure.

- v. Find out output from following code.
 - int i.j=0:

for(i=1;i<=5;++i)

{ printf("%d%d",i,j);}

- vii. What is function?
- ix. Define a stream.

ii. Find output from following code

int price=10:

if (price==10)

{ printf("%d",price);

- iv. Define sentinal values.
- vi. Convert while loop into Do while loop

int i=1;

while (i<=15)

{ printf("n",i)

i=i+1;}

viii. Differentiate between function defination and declaration.

Visual Basic

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

- Write any two properties of algorithm.
- ii. Why is assembly language called symbolic language?
- iii. How properties are set at design time and run time?
- v. Define project explorer window.

- iv. When is the visual basic in design time?
- vi. Show the output.

Dim A,B as integer c

A=10

B=A*A/A

print B

vii. Find the errors

Option explicit

Dim D,E integer

D=5

E=13

F=(D*E)+7

Print F

- viii. Show output:
 - Dim R,S,T as integer

R=9

S=4

T=R*S+15

Print T

ix. Differentiate between structured and object oriented programming.

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

2 x 6 = 12

2 x 6 = 12

- Define Expression.
- iii. What is specified variable declaration?
- v. What data type is used in storing data?
- vii. What is meant by data type?

- ii. Define named constant.
- iv. How is character stored in VB?
- vi. List out keyword with examples.
- viii. Show output of following

Dim A,B, as integer

A=20

B=A*A

Print B

ix. How to write following expression in VB. $X = \frac{3Y}{5}$

Section -II

MS-ACCESS

doto:	Attempt	only	one	augetion	from the	following.	
vote:	Attembt	Oniv	one	auestion	from the	ionowing.	

Define key and discuss its different types.

What is data type? Explain six different data types available in MS-Access.

8x1=8

08

08

Section -III

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

8x2=16

C-language

7. What is bug and debugging? Explain types of errors in C-program.

08

8. Write a program in C-language, which inputs two numbers from the user and determines whether the numbers are equal or not.

9. What is While loop?Write its syntax, also draw flowchart. Explain its working with the help-of an example.

08

08

Visual Basic

7. What are controls? Explain three basic controls in Visual Basic.

80

8. Write a program in Visual Basic, which inputs two numbers from the user and determines whether

80

the numbers are equal or not. 9. What is While-Wend loop?Write its syntax,also draw flowchart.Explain its working with the help of an example. 08

638-012-A----

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