Paper Code	2023 (1st-A)	Roll No: _____
Number: 4835	INTERMEDIATE PART-II (12th Class)	

COMPUTER SCIENCE   PAPER-II   MTN-12-23

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.#	QUESTIONS	A	B	C	D
1	Which of the following is an example of one-to-one relationship?	Student-Reg. No.	Person-Automobile	Mother-daughter	Person-Phone No.
2	No attribute of a primary key should contain null values:	Data integrity	Entity integrity	Referential integrity	Null integrity
3	Which wildcard replaces one character only?	*	:	?	!
4	Which type of forms useful to display data from tables and queries that have one-to-many relationship?	Sub-form	Main form	Multi form	Inserted form
5	Which of the following is not an objective of DBMS?	Shareability	Evolvability	Availability	Feasibility
6	Create command is used to create:	Record	View	Report	Query

C-LANGUAGE

S.#	QUESTIONS	A	B	C	D
7	The expression 10%3 has a value equal to:	1	2	3	4
8	The escape sequence used to begin a new line in C–Language.	\a	\n	\b	\m
9	All of the following are control statements except:	Sequential	Repetition	Selection	Relation
10	The semicolon is placed at the end of condition in:	While loop	Do-while loop	Do loop	for-Next loop
11	The scope of a variable refers to its:	Length	Name	Accessibility	Data type
12	Which short key is used to view output screen?	Alt + F1	Alt + F3	Alt + F5	Alt + F7
13	The output of a compiler is called:	Library code	Source code	Linked code	Object code
14	The logical not operator, denoted by !, is a:	Unary operator	Binary operator	Ternary operator	Bit wise operator
15	The variable names cannot contain a(n):	Number	Underscore	Letter	Period

OR
VISUAL BASIC

S.#	QUESTIONS	A	B	C	D
7	Which of the following is a valid VB data type?	Boolean	int	Char	float
8	The entire select case construct is terminated with:	Case else	End select	End if	Stop select
9	All of the following are logical operators except:	OR	AND	NOT	<
10	The loop which never ends:	Continuous loop	Infinite loop	Running loop	Controlled loop
11	Which keyword is used to increment a counter by a value that you specify?	interval	skip	step	Next
12	That program which translates assembly source code to machine code:	Compiler	Interpreter	Assembler	Debugger
13	Which of the following is not a VB control?	Command button	Forms	Textbox	Variable
14	Methods characterized an object's:	Behaviour	Appearance	Value	Style
15	The expression 3 mod 5 has a value equal to:	0	1	2	3

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NOTE: Write same question number and its parts 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. Write short answers to any six parts.   MS-ACCESS   6 × 2 = 12

(i)	Define DBMS.	(ii)	Distinguish between primary key and foreign key.
(iii)	List any two properties of a relation.	(iv)	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.		

3. Write short answers to any six parts   C-LANGUAGE   6 × 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? $int \quad x = 10, \quad y = ++x;$ $x = y--;$ printf("%d", y) ;	(viii)	Trace error from the following code: int room # ; printf ("%d", 5)
(ix)	Differentiate between character constant and string.		

3. Write short answers to any six parts   OR   VISUAL BASIC   6 × 2 = 12

(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 from memory?	(viii)	What is the purpose of control menu?
(ix)	What is the format of hexadecimal value of color in VB?		

4. Write short answers to any six parts   C-LANGUAGE   6 × 2 = 12

(i)	What does happen if & sign is missed in scanf( ) function?	(ii)	List any four input functions?
(iii)	Trace the output of the following code segment: int a, b, c; a = 3 ; b = a ++ ; c = ++ a; printf ("%d %d %d", a, b, c);	(iv)	Convert the following code in do while( ) loop: int a; for (a = 1; a < = 25; a++) { printf ("%d \ n", a*a); a++; }
(v)	Define control structure.	(vi)	Write an expression in C-language for the following: temperature is less than 40.00 and greater than 25.00
(vii)	Which part of loop does contain the statements to be repeated?	(viii)	What is counter controlled loop?
(ix)	Trace the output of the following code segment: $int \; k=8, \; m=7, \; z;$ $z = k < m \; ? \; k++ : m++;$ printf("%d", z);		

4. Write short answers to any six parts OR   VISUAL BASIC   6 × 2 = 12

(i)	How does Select --- Case statement help in coding?	(ii)	What is relational expression?
(iii)	Describe intrinsic controls.	(iv)	Differentiate between array and variable
(v)	Name any two styles of combo boxes.	(vi)	What is iteration?
(vii)	Write down the criteria for using Do---Until loop.	(viii)	Which function does load a picture at run time?
(ix)	Define Binary Search.		

SECTION-II

MS-ACCESS

NOTE: Attempt any one question.

| 5. | What is File traditional processing system? Write down it's disadvantages in detail. | 8 |
| 6. | Draw and explain ER diagram for the system of getting admission in a college. | 8 |

NOTE   Attempt any two questions. Either from "C-Language" OR "Visual Basic"

C-Language

7.	What is "switch" statement? Explain its working with flowchart and example.	8
8.	Write a program in C-language which does display the sum of following series using any loop. $1 + \dfrac{1}{2} + \dfrac{1}{4} + \dfrac{1}{6} + \ldots\ldots + \dfrac{1}{100}$	8
9.	Briefly describe the process of writing a function in C-Language.	8

OR   VISUAL BASIC

7.	What is "Select---Case" structure? Explain its working with flowchart and example.	8
8.	Write a program in VB which does display the sum of following series using any loop. $1 + \dfrac{1}{2} + \dfrac{1}{4} + \dfrac{1}{6} + \ldots\ldots + \dfrac{1}{100}$	8
9.	Briefly describe the process of writing a function in Visual Basic?	8