Paper Code Number: 4832	2025 (1st-A) INTERMEDIATE PART-II (12th Class)	Roll No: _____
COMPUTER SCIENCE PAPER-II 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.#	QUESTIONS	A	B	C	D
1	The process of arranging data in a logical sequence is called:	Classifying	Summarizing	Capturing	Sorting
2	How many primary keys can a table have?	1	2	3	Many
3	Customers, cars and parts are example of:	Attributes	Entities	Cardinals	Relationships
4	Transitive dependency is removed in which normal form?	1NF	2NF	3NF	5NF
5	Microsoft access saves the file with the extension:	.msdb	madb	.mxls	.mdb
6	An example of wildcard character is:	&	#	*	"

C-LANGUAGE

7	The process of removing errors in the program is called:	Fixing	Debugging	Linking	Compiling
8	An assembly language uses the symbols called:	English words	Binary digits	Mnemonics	Wildcards
9	How many bytes are occupied by a variable of float data type?	2	4	8	10
10	An ampersand before the name of a variable in scanf( ) function denotes:	Actual value	Variable name	Address	Data type
11	Conditional operator is an alternative of:	if	if-else	Nested if	Case-else
12	The loop which never ends is called:	infinite loop	running loop	continuous loop	Nested loop
13	Which loop structure always executes at least once?	for	while	do-while	for-each
14	Multiple arguments to a function are separated by:	Colons	Commas	Periods	Semicolons
15	On successfully closing a file, the fclose( ) returns:	NULL	FILE POINTER	One	Zero

OR

VISUAL BASIC

7	Forms and controls are recognized as:	Properties	Objects	Methods	Events
8	A project file is saved with the following extension:	.frm	.vb	.vbp	.frx
9	How many bytes are occupied by a variable of single data type?	2	4	8	10
10	The expression 10 mod 6 has a value equal to:	0	2	4	6
11	In VB, which keyword indicates the starting point of decision structure?	Else	if	Then	Case
12	The loop which never ends is called:	infinite loop	running loop	continuous loop	Nested loop
13	Which keyword is used to trigger the execution of another procedure?	Go	Start	Call	Run
14	Multiple arguments to a function is separated by:	Colons	Commas	Periods	Semicolons
15	The prefix for naming a menu item is:	M	men	mne	mnu

INTERMEDIATE PART-II (12th Class)	2025 (1st-A)	Roll No: _____
COMPUTER SCIENCE PAPER-II GROUP-II		
TIME ALLOWED: 2.10 Hours	SUBJECTIVE	MAXIMUM MARKS: 60

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 data processing.	(ii)	Describe the transaction file.
(iii)	What is data independence?	(iv)	Discuss the concept of candidate key.
(v)	Enlist different properties of relation.	(vi)	Define data integrity.
(vii)	What is Second Normal Form(2NF)?	(viii)	Discuss two benefits of MS-ACCESS.
(ix)	What is the purpose of Form?		

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

(i)	What is the purpose of Linker in C-language?	(ii)	What are preprocessor directives?
(iii)	Why the logical error is the most difficult error?		
(iv)	What is the purpose of using '\n' escape sequence character?		
(v)	Find errors in the following code: float $x = 5.0$, $y=4.0$; $x+y=x+y$; $y-x=x+y$;	(vi)	What is the output of the following code? printf ("C:\\TC\\BIN");
		(vii)	Give an example of scanf function that take multiple inputs in a single statement.
(viii)	What is text stream? WW		Which access method can access the data directly?

OR

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

(i)	What is the purpose of language processor?	(ii)	Why source code is converted into object code?
(iii)	Why the logical error is the most difficult error?	(iv)	What is the purpose of *vbCrLf*?
(v)	What do you know about objects and properties?		
(vi)	What is the purpose of name property of a control?	(vii)	What are intrinsic controls?
(viii)	What is the difference between 'Value' property of option button and check box?		
(ix)	How the information is placed inside a List box or a combo box?		

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

(i)	Define if-else structure, also draw its flowchart.		
(ii)	Compare multiple if( ) with switch-case structure.		

(iii)	Find errors in the following code:
	int R;
	$r = 25$;
	if ($R >= 0$);
	$R = R + 1$;
	else;
		(iv)	Clarify the use of goto statement with the help of an example.

		(v)	How does a programmer decide to use a while loop versus a do loop?
		(vi)	Predict the output of the following code: *for* (int $x=1$; $x <= 5$; $++x$) printf ("%d\t %d", x, $x*x$);
		(vii)	What is built-in function? Give some examples.
(viii)	Differentiate between function prototype and function definition.		
(ix)	What is global variable? How it is different than local variable?		

OR

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

(i)	Define the use of input box.	(ii)	What is mouse over event?
(iii)	Differentiate between logical AND and logical OR operators.		
(iv)	Draw a flowchart of while-wend statement.		
(v)	Write output of following code: $M = 1$ do print $M*2$ $M++$ Loop while $M <= 5$	(vi)	Discuss the events of keyboard (any two).
		(vii)	How pre-test loop is different than post-test loop?
		(viii)	Which statement terminates a loop early?
		(ix)	Write syntax of FOR EACH – LOOP.

SECTION-II

NOTE: Attempt any one question. MS-ACCESS

5.	What is relationship? Explain different types of relationships.	2+6
6.	Explain different data types available in MS-ACCESS.	8

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

C-Language

7.	What is your understanding of comments in C-language? Define identifier and explain its types.	2+2+2+2
8.	Write a program that inputs three number from user and displays the smallest number.	8
9.	Write a program to display the following series: 1 4 9 16 25 using loop structure.	8

OR

VISUAL BASIC

7.	What is your understanding of comments in Visual Basic? Define identifier and explain its types.	2+2+2+2
8.	Write a program that inputs three number from user and displays the smallest number.	8
9.	Write a program to display the following series: 1 4 9 16 25 using loop structure.	8