

Paper Code Number: 4835		2024 (1 <sup>st</sup> -A) INTERMEDIATE PART-II (12 <sup>th</sup> Class)		Roll No: MTN-1-24	
COMPUTER SCIENCE PAPER-II GROUP-I					
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	In 3NF, a non-key attribute must not depend on a:	Non-key attribute	Key attribute	Composite key	Sort key
2	In a relational database, a single piece of information is called:	Table	Record	Entity	Attribute
3	A collection of related field is called:	Character	Record	Database	File
4	CREATE command is used to create:	Record	View	Report	Query
5	Customers, cars are examples of:	Entity	Attribute	Cardinals	Relationship
6	The columns of a table corresponds to:	Table	Record	Field	Cell
C-LANGUAGE					
7	An other term for a computer making a decision is:	Sequential	Iteration	Selection	Repetition
8	When $x = 40$ , $f = (x < 50) ? 10 : 20$ ; after executing the statement, the value of $x$ is:	20	10	40	100
9	A loop within a loop is called:	Nested loop	Complex loop	Infinite loop	Dual loop
10	A built in function:	Can not be redefine	Can be redefined	Can not return a value	Should be redefined
11	The mode opens only an existing file for both reading and writing is:	"W" Output mode	"W+" Append mode	"R+" Create mode	"A+" Read mode
12	The extension of header file is:	.cpp	.txt	.E	.h
13	Variable and constant name can not contain a(n):	Number	Underscore	Letter	Period
14	The function that is used to display output on screen is called:	printf	scanf	pow	display
15	The format specifier %f is used for:	81	'F'	4.83	'9'
OR VISUAL BASIC					
7	An other term for a computer making a decision is:	Sequential	Iteration	Selection	Repetition
8	When a relational expression is false, it has the value:	1	0	Less than zero	-1
9	A loop within a loop is called:	Nested loop	Complex loop	Infinite loop	Dual loop
10	A built in function:	Can not be redefine	Can be redefined	Can not return a value	Should be redefined
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	Condition
13	Variable and constant name can not contain a(n):	Number	Underscore	Letter	Period
14	BASIC was introduced in:	1960 AD	1950 AD	1970 AD	1980 AD
15	Which event detects the processing of standard displayable characters?	Key down	Key up	Key press	Keyboard

INTERMEDIATE PART-II (12 <sup>th</sup> Class)	2024 (1 <sup>st</sup> -A)	Roll No:
COMPUTER SCIENCE PAPER-II GROUP-I	M7N-1-24	
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) What is the main purpose of database system?	(ii) Define foreign key.	
(iii) How many fields and records does the following table contain?		
	Roll No.	Name
	01	Ali
	02	Zia
	Subject	Class
	English	1 <sup>st</sup> year
	Math	1 <sup>st</sup> year
(iv) What is the primary objective of ER diagram?	(v) Differentiate between entity class and entity instance.	
(vi) Define partial dependency.	(vii) What is database wizard?	
(viii) Write the use of wild cards.	(ix) What is the purpose of radio button?	
3. Write short answers to any six parts.	C-LANGUAGE	6 × 2 = 12
(i) Why comments are used in program?	(ii) Write the given expression in C-Language: $a = 2b^2c^3$	
(iii) Find the errors in the following code: integer x, y; x = 10, y = 20.5;	(iv) Determine the output of the following code: int x = 1; x++; printf("%d", x++);	
(v) What is control string in printf ( ) function?		
(vi) Find errors in the following code: void main ( ) { printf ( OK ) }	(vii) What will be the output of following code: printf ("Hello \\n Dear!");	
	(viii) Define text stream.	
	(ix) What does "A+" mean in file handling?	

OR

3. Write short answers to any six parts	VISUAL BASIC	6 × 2 = 12
(i) Describe categorized view of property in properties window.	(ii) Define the use of Command Button Control.	(iii) Differentiate between the hide and show methods of form.
(iv) Define Modeless form.	(v) What is the use of Query Unload Event?	
(vi) Define List Index Property.	(vii) What is the purpose of the statement 'Unload Me'?	
(viii) How can two groups of option buttons work independently?		
(ix) How is information placed inside a combo box?		
4. Write short answers to any six parts	C-LANGUAGE	6 × 2 = 12
(i) Why break statement is used in a switch statement?	(ii) Define infinite loop.	
(iii) Trace the output of the following code segment: int p = 3, q = 5; if ((p > q)    (p != 4)) p = p + 1; else p = p - 1; printf ("%d", p);	(iv) Convert the following code into while ( ) loop: void main (void){ int a, k = 1; for ( a = 1; a <= 10; a++) printf ("%d\n", k+a);}	
(v) Predict the output: int i, a = 3; for ( i = 5; i > 0; i-- ){ a = a + i; printf ("%d\n", a);	(vi) What is the life time of a local variable?	
	(vii) Why return statement is used in function?	
	(viii) How is a function activated?	
	(ix) What is the use of formal parameters?	

OR

4. Write short answers to any six parts	VISUAL BASIC	6 × 2 = 12
(i) What is concatenation in Visual Basic?	(ii) What is Val Function?	
(iii) Define Infinite loop.	(iv) Differentiate between "+" and "&" in Visual Basic.	
(v) How select --- case help in coding.	(vi) Write the syntax of while --- wend loop.	
(vii) What is default property of command button?	(viii) Which statements terminate Do and For loops early?	
(ix) Trace the output: If (10 Mod 3 = 0) Then Print ("YES") Else Print ("NO") End if		

#### SECTION-II

NOTE: Attempt any one question.	MS-ACCESS	
5. What are the database anomalies? Discuss different anomalies in database.		8
6. Explain any four types of queries in MS-Access.		8
NOTE: Attempt any two questions. Either from "C-Language" OR "Visual Basic"		
	C-LANGUAGE	
7. Define bugs. Explain different types of errors in C-program.		8
8. Write a program that inputs an integer and determines whether it is positive, negative or zero.		8
9. Write a program that displays odd numbers from 1 to 17 using any loop.		8
	OR VISUAL BASIC	
7. Define bugs. Explain different types of errors in Visual Basic.		8
8. Write a program that inputs an integer and determines whether it is positive, negative or zero.		8
9. Write a program that displays odd numbers from 1 to 17 using any loop.		8