

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.
OBJECTIVE KEY FOR INTERMEDIATE 2nd ANNUAL EXAMINATION, 2024

Name of Subject: Computer Science Group: I

(1)

(181)

Q. Nos	Paper Code 4831	Correct Answer	Paper Code 4833	Correct Answer	Paper Code 4835	Correct Answer	Paper Code 4837	Correct Answer
1	A	Sorting	A	Table	D	Secondary	B	New Record
2	B	New Record	D	5	B	Relation	D	Secondary
3	D	Secondary	A	Sorting	A	Table	B	Relation
4	B	Relation	B	New Record	D	5	A	Table
5	A	Table	D	Secondary	A	Sorting	D	5
6	D	5	B	Relation	B	New Record	A	Sorting
7	C	Dennis Ritchie code	B	3 / Loop	C	'Q' / compare	B	4 / 4
8	B	4 / 4	A	Dummy / Avg.	A	0	A	conio.h / 3
9	A	conio.h / 3	C	Hard Disk	D	1 / Fore color	C	'Q' / compare
10	C	'Q' / compare	C	Dennis / obj Ritchie code	B	3 / Loop	A	0
11	A	0	B	4 / 4	A	Dummy / Avg.	D	1 / Fore color
12	D	1 / Fore color	A	conio.h / 3	C	Hard Disk	B	3 / Loop
13	B	3 / Loop	C	'Q' / compare	C	Dennis / obj Ritchie code	A	Dummy / Avg.
14	A	Dummy / Avg.	A	0	B	4 / 4	C	Hard Disk
15	C	Hard Disk	D	1 / Fore color	A	conio.h / 3	C	Dennis / obj Ritchie code
16								
17								
18								
19								
20								
Cross Check	A B C D		A B C D		A B C D		A B C D	
Total	5 4 3 3		5 4 3 3		5 4 3 3		5 4 3 3	

سرٹیفکیٹ بابت تصحیح سوالیہ پرچہ مارکنگ Key

ہم نے مضمون کمپیوٹر سائنس پرچہ II گروپ I انٹرمیڈیٹ دوسرا سالانہ امتحان 2024 کا سوالیہ پرچہ انشائیہ و معروضی (Subjective & Objective) کو نظر عمیق چیک کر لیا ہے یہ پرچہ Syllabus کے عین مطابق Set کیا گیا ہے۔ اس سوالیہ پرچہ میں کسی قسم کی کوئی غلطی نہ ہے۔ ہم نے سوالیہ پرچہ کا اردو اور انگریزی Version بھی چیک کر لیا ہے۔ یہ Version آپس میں مطابقت رکھتے ہیں۔ نیز اس پرچہ کی معروضی (MCQs) Key کی بابت تصدیق کی جاتی ہے کہ اس میں بھی کسی قسم کی کوئی غلطی نہ ہے۔ مزید یہ کہ ہم نے Key بنانے سے متعلق دفتر کی جانب سے تیار کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کر لیا ہے اور ان کی روشنی میں Key بنائی ہے۔ نیز سب ایگزامینرز کیلئے تفصیلی مارکنگ ہدایات / مارکنگ اسکیم / Rubrics بھی تیار کر دی گئی ہیں۔

Prepared & Checked By:

Dated: 01-11-2024

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Re-Checked By: ہم نے درج بالا سوالیہ پرچہ (انشائیہ + معروضی) کی معروضی "Key" اور ہدایات کے حوالہ سے مکمل طور پر تلی کر لی ہے۔ کسی قسم کی کوئی غلطی نہ ہے۔

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02-11-2024 تاریخ

Paper Code Number: 4831		2024 (2 nd -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
COMPUTER SCIENCE PAPER-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:	Sorting	Summarizing	Data capturing	Classifying
2	Insert command is used to insert:	New table	New record	View	Dependencies
3	The _____ key which has not unique value.	Candidate	Foreign	Primary	Secondary
4	In relational database, a table is also called:	Tuple	Relation	File	Schema
5	The output of the query is in the form of a:	Table	Form	Report	Query
6	How many types of relationship can be used:	2	3	4	5
C-LANGUAGE					
7	Who did develop language C?	Von-Neuman	Alkhawarizmi	Dennis Ritchie	Charle’s Babbage
8	The number of bytes used by long int data type in language C is:	2	4	12	16
9	The function getche () is defined in:	Conio.h	Stdio.h.	String.h.	math.h.
10	The farmat specifier %C is used for:	“Pakistan”	8	‘Q’	“483”
11	In If statement, false is represented by:	0	1	2	3
12	When $a = 70$, $n = (a > 50) ? 1 : 0$;; after executing the statement, the value of n is:	20	30	50	1
13	How many types of loop structure are available in language C?	4	3	2	6
14	Formal arguments are also called _____.	Dummy arguments	Actual arguments	Original arguments	Referenced arguments
15	A file is stored in:	RAM	ROM	Hard Disk	Cache
OR VISUAL BASIC					
7	The output of the compiler is called:	Program	Source code	Object code	Linked code
8	How many bytes are occupied by long data type in Visual Basic?	2	4	12	16
9	What is the value of X , after the following statement? Dim X as integer $X = 15 \bmod 4$	3	15	4	3.75
10	The relational operators are used for:	Add	Subtract	Compare	Divide
11	For $A = 5$, and $B = 5$, which of the following evaluates to true?	$A < B$	$A = B$	$B < A$	$A > B$
12	The property that changes text color is:	Back color	Font color	Text color	Fore color
13	The keyword that marks the end of Do structure loop is:	End Do	Loop	Exit Do	End-While
14	The value passed to a function is called:	Argument	MSGBOX	Textbox	List box
15	A file is stored in:	RAM	ROM	Hard Disk	Cache

Paper Code Number: 4833		2024 (2 nd -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
COMPUTER SCIENCE PAPER-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 output of the query is in the form of a:	Table	Form	Report	Query
2	How many types of relationship can be used:	2	3	4	5
3	The process of arranging data in a logical sequence:	Sorting	Summarizing	Data capturing	Classifying
4	Insert command is used to insert:	New table	New record	View	Dependencies
5	The _____ key which has not unique value.	Candidate	Foreign	Primary	Secondary
6	In relational database, a table is also called:	Tuple	Relation	File	Schema
C-LANGUAGE					
7	How many types of loop structure are available in language C?	4	3	2	6
8	Formal arguments are also called _____.	Dummy arguments	Actual arguments	Original arguments	Referenced arguments
9	A file is stored in:	RAM	ROM	Hard Disk	Cache
10	Who did develop language C?	Von-Neuman	Alkhawarizmi	Dennis Ritchie	Charle's Babbage
11	The number of bytes used by long int data type in language C is:	2	4	12	16
12	The function getche () is defined in:	Conio.h	Stdio.h.	String.h.	math.h.
13	The format specifier %C is used for:	"Pakistan"	8	'Q'	"483"
14	In If statement, false is represented by:	0	1	2	3
15	When $a = 70$, $n = (a > 50) ? 1 : 0$;; after executing the statement, the value of n is:	20	30	50	1
OR VISUAL BASIC					
7	The keyword that marks the end of Do structure loop is:	End Do	Loop	Exit Do	End-While
8	The value passed to a function is called:	Argument	MSGBOX	Textbox	List box
9	A file is stored in:	RAM	ROM	Hard Disk	Cache
10	The output of the compiler is called:	Program	Source code	Object code	Linked code
11	How many bytes are occupied by long data type in Visual Basic?	2	4	12	16
12	What is the value of X , after the following statement? Dim X as integer $X = 15 \bmod 4$	3	15	4	3.75
13	The relational operators are used for:	Add	Subtract	Compare	Divide
14	For $A = 5$, and $B = 5$, which of the following evaluates to true?	$A < B$	$A = B$	$B < A$	$A > B$
15	The property that changes text color is:	Back color	Font color	Text color	Fore color

Paper Code Number: 4835		2024 (2 nd -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
COMPUTER SCIENCE PAPER-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 _____ key which has not unique value.	Candidate	Foreign	Primary	Secondary
2	In relational database, a table is also called:	Tuple	Relation	File	Schema
3	The output of the query is in the form of a:	Table	Form	Report	Query
4	How many types of relationship can be used:	2	3	4	5
5	The process of arranging data in a logical sequence:	Sorting	Summarizing	Data capturing	Classifying
6	Insert command is used to insert:	New table	New record	View	Dependencies
C-LANGUAGE					
7	The format specifier %C is used for:	“Pakistan”	8	‘Q’	“483”
8	In If statement, false is represented by:	0	1	2	3
9	When $a = 70$, $n = (a > 50) ? 1 : 0$;;, after executing the statement, the value of n is:	20	30	50	1
10	How many types of loop structure are available in language C?	4	3	2	6
11	Formal arguments are also called _____.	Dummy arguments	Actual arguments	Original arguments	Referenced arguments
12	A file is stored in:	RAM	ROM	Hard Disk	Cache
13	Who did develop language C?	Von-Neuman	Alkhawarizmi	Dennis Ritchie	Charle’s Babbage
14	The number of bytes used by long int data type in language C is:	2	4	12	16
15	The function getche () is defined in:	Conio.h	Stdio.h.	String.h.	math.h.
OR VISUAL BASIC					
7	The relational operators are used for:	Add	Subtract	Compare	Divide
8	For $A = 5$, and $B = 5$, which of the following evaluates to true?	$A < B$	$A = B$	$B < A$	$A > B$
9	The property that changes text color is:	Back color	Font color	Text color	Fore color
10	The keyword that marks the end of Do structure loop is:	End Do	Loop	Exit Do	End-While
11	The value passed to a function is called:	Argument	MSGBOX	Textbox	List box
12	A file is stored in:	RAM	ROM	Hard Disk	Cache
13	The output of the compiler is called:	Program	Source code	Object code	Linked code
14	How many bytes are occupied by long data type in Visual Basic?	2	4	12	16
15	What is the value of X , after the following statement? Dim X as integer $X = 15 \bmod 4$	3	15	4	3.75

Paper Code Number: 4837		2024 (2 nd -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
COMPUTER SCIENCE		PAPER-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	Insert command is used to insert:	New table	New record	View	Dependencies
2	The _____ key which has not unique value.	Candidate	Foreign	Primary	Secondary
3	In relational database, a table is also called:	Tuple	Relation	File	Schema
4	The output of the query is in the form of a:	Table	Form	Report	Query
5	How many types of relationship can be used:	2	3	4	5
6	The process of arranging data in a logical sequence:	Sorting	Summarizing	Data capturing	Classifying
C-LANGUAGE					
7	The number of bytes used by long int data type in language C is:	2	4	12	16
8	The function getche () is defined in:	Conio.h	Stdio.h.	String.h.	math.h.
9	The format specifier %C is used for:	“Pakistan”	8	‘Q’	“483”
10	In If statement, false is represented by:	0	1	2	3
11	When $a = 70$, $n = (a > 50) ? 1 : 0$;; after executing the statement, the value of n is:	20	30	50	1
12	How many types of loop structure are available in language C?	4	3	2	6
13	Formal arguments are also called _____.	Dummy arguments	Actual arguments	Original arguments	Referenced arguments
14	A file is stored in:	RAM	ROM	Hard Disk	Cache
15	Who did develop language C?	Von-Neuman	Alkhawarizmi	Dennis Ritchie	Charle’s Babbage
OR					
VISUAL BASIC					
7	How many bytes are occupied by long data type in Visual Basic?	2	4	12	16
8	What is the value of X , after the following statement? Dim X as integer $X = 15 \bmod 4$	3	15	4	3.75
9	The relational operators are used for:	Add	Subtract	Compare	Divide
10	For $A = 5$, and $B = 5$, which of the following evaluates to true?	$A < B$	$A = B$	$B < A$	$A > B$
11	The property that changes text color is:	Back color	Font color	Text color	Fore color
12	The keyword that marks the end of Do structure loop is:	End Do	Loop	Exit Do	End-While
13	The value passed to a function is called:	Argument	MSGBOX	Textbox	List box
14	A file is stored in:	RAM	ROM	Hard Disk	Cache
15	The output of the compiler is called:	Program	Source code	Object code	Linked code

INTERMEDIATE PART-II (12 th Class)		2024 (2 nd -A)		Roll No: _____	
COMPUTER SCIENCE PAPER-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)	Which problems occur due to data redundancy?	(ii)	Differentiate between primary and composite key.		
(iii)	Consider following table: STUDENT(R#, Name, FName, CNIC) identify primary key and Candidate key	(iv)	What is the purpose of feasibility study?		
		(v)	Write four examples of entity.		
		(vi)	When a relation is in first normal form?		
(vii)	Write any two advantages of IDE.	(viii)	What is the use of input mask?		
(ix)	Write two differences between form and report.				
3. Write short answers to any six parts.		C-LANGUAGE		6 × 2 = 12	
(i)	Define Variable Initialization.				
(ii)	Write the given expression in C language: $z = \frac{x^2 - 5x + 1}{2x - 3}$		(iii)	Find errors in the following code: int C = 'A'; printf ("% C",C)	
(iv)	Determine the output of following code: Char Ch = 'B' ; Ch = B - 1 ; printf ("% C", Ch);	(v)	Which function is used to clear the screen in C?		
(vi)	Find errors in the following code: float area, r printf ("Enter radius") scanf ("% f ; r);	(vii)	What will be the output of the following code? printf ("\t\t\t . ba\n\n\n");		
		(viii)	What is binary stream?		
		(ix)	What does “R+” mean in file handling?		
OR					
3. Write short answers to any six parts		VISUAL BASIC		6 × 2 = 12	
(i)	How are controls placed on form?	(ii)	Define property window.		
(iii)	What is the purpose of control naming conventions?	(iv)	List any two events of form.		
(v)	Differentiate between Back Color and Fore Color properties of form.				
(vi)	How are the properties set at design time?	(vii)	What is the size of a twip?		
(viii)	How is a picture removed at runtime?	(ix)	What does Cmdpush_click mean?		
4. Write short answers to any six parts		C-LANGUAGE		6 × 2 = 12	
(i)	How does a selection structure select a statement to execute?				
(ii)	Trace the output of the following code segment: int m = 7, k = 8; int z = k < m? k++ : m++ ; printf ("% d", z);	(iii)	Why loops are important in programming languages?		
(iv)	Convert the following code into do while() loop. void main (void){ int a; for (a = 3 ; a <= 39 ; a+ = 6) printf (" % d\n", a);}	(v)	Predict the output: int a ; for (a = 1; a <= 25 ; a+=2) if (a % 7! = 0) printf ("% d\t", a);		
(vi)	What is function prototype?	(vii)	How long the global variables exist in the memory?		
(viii)	What are actual parameters?	(ix)	Why return statement is used in the function?		
OR					
4. Write short answers to any six parts		VISUAL BASIC		6 × 2 = 12	
(i)	How does a selection structure select a statement to execute?	(ii)	How controls are moved and resized?		
(iii)	Why loops are important in programming languages?	(iv)	What is the use of method in Visual Basic?		
(v)	Enlist different events of Form.	(vi)	How is function declared in Visual Basic?		
(vii)	How long the global variables exist in the memory?	(viii)	What are the actual parameters in Visual Basic?		
(ix)	What is the difference between hiding and closing a form?				
SECTION-II					
NOTE: Attempt any one question.		MS-ACCESS			
5.	What is mean by data integrity? Discuss its two types in detail.				8
6.	What is Query? Discuss its uses and advantages.				8
NOTE: Attempt any two questions. Either from “C-Language” OR “Visual Basic”		C-Language			
7.	Describe the basic structure of C program with example.				8
8.	Write a code that inputs two numbers and one arithmetic operator. It applies arithmetic operation by using switch statement.				8
9.	Write a program that displays first 8 integers and calculate their sum.				8
OR					
VISUAL BASIC					
7.	Define flowchart. Discuss any six flowchart symbols used in Visual Basic.				8
8.	Write a code that inputs two numbers and one arithmetic operator. It applies arithmetic operation by using select case.				8
9.	Write a program that displays first 8 integers and calculate their sum.				8