

(18)

Warning:- Please, do not write anything on this question paper except your Roll No.

1224 (Inter Part – II)

(Session 2020-22 to 2022-24)

Roll No -----

Computer Science (Objective)

Paper (II)

SCD-24

Sig. of Student -----

Time Allowed:- 20 minutes

PAPER CODE 4833

Maximum Marks:- 15

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write PAPER CODE, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed.

(MS-ACCESS)

S.N.	Questions	A	B	C	D
1.	The number of fields in a relation is called the _____ of the relation.	Degree	Cardinality	Domain	Range
2.	Which of the following may be a temporary file?	Transaction	Master	Backup	Basic
3.	The number of characters in variable-length field are	1	2	Constant	Variable
4.	Customers, cars and parts are examples of	Attributes	Relationships	Entity	Cardinality
5.	A relation that is in 2NF and contains no transitive dependency is said to be in	1NF	2NF	3NF	4NF
6.	The smallest meaningful unit of data in a database is called	Character	File	Record	Field
7.	(C.Lang) On successfully closing a file? The fclose() returns:	1	Null	END	0
	or (VB) You can enter data in a control only when it has	control	tab order	mask	focus
8.	(C.Lang) stdio stands for	simple input output processor	Standard input output	Symbolic input output	String input output
	or (VB) _____ window contains statements that are executed when some event occurs?	explorer	Code	form	form layout
9.	(C.Lang) Which of the following is a valid character constant?	abc	'+'	"abc"	+
	or (VB) The property that changes text color is	back color	fore color	font color	text color
10.	(C.Lang) a+=b is equivalent to	a=a+b	a+=b	b+=a	b=b+a
	or (VB) Variables name can not begin with	number	upper case	Lower case	underscore
11.	(C.Lang) What will be the value of s after executing the following statement s=(2000>3000)? 2000:3000;	2000	3000	20003000	5000
	or (VB) One execution of a loop is known as	duration	iteration	turn	cycle
12.	(C.Lang) Which of the following is not a selection statement?	break;	if	if else	switch ()
	or (VB) _____ is an example of post test loop.	do loop while	while wend	do while	do until
13.	(C.Lang) A loop within a loop is called	Infinite	Complex	Nested	Standard
	or (VB) Image control holds a graphic that is assigned to _____ property.	caption	text	picture	autosize
14.	(C.Lang) Another name for built-in function is	user-defined	Library	custom-made	customized
	or (VB) A control that provides an identifiable grouping for control is	Text Box	Frame	Button	list box
15.	(C.Lang) If int b=123, then the statement printf("%5d",b) will display.	"123"	123	123	123
	or (VB) The Integer data type in VB occupies _____ bytes	1	12	3	2

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Warning:- Please, do not write anything on this question paper except your Roll No.
44 (Inter Part-II) (Session 2020-22 to 2022-24)

SGD-24

Computer Science (Subjective)

Paper (II)

Time Allowed: 2.10 hours

SECTION ----- I

Maximum Marks: 60

Answer briefly any Six parts from the following.

(MS-Access) 6 × 2 = 12

Define data file with example? (ii) What are two responsibilities of DBA?

Identify Primary key and foreign key from following tables structures?

Roll No	Name	City	Roll No	Subject	Marks
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Table 1

Table 2

What is meant by user processing requirements? (v) Write the purpose of feasibility study?

Why is normalization used? (vii) Which database objects can be used to create a report?

Define referential integrity? (ix) Differentiate between Form and Report?

Answer briefly any SIX parts from the followings:-

6 × 2 = 12

C - Language

Visual Basic

What is variable initialization?

Write down the equivalent C statement for: $(a-b)^2$

Find errors in the following code segment

```
int x = 10 + 20;
```

```
scanf("%d", x);
```

```
printf("value of x = ", x);
```

What is the output of the following code segment.

```
int x = 2, y = 3, z;
```

```
z = (x+5) / (y+5);
```

```
printf("%d", x+y+z);
```

Differentiate between getch() and getche() functions.

Find the errors in the following code segments.

```
int L = 10, W = 5, A;
```

```
L * W = A;
```

```
printf("Area = %d", Area);
```

What is the output of the following code segment.

```
char ch1 = 'A', ch2 = 'B';
```

```
ch1 = ch2;
```

```
ch2 = ch1;
```

```
printf("%c %c", ch1, ch2);
```

Differentiate between text stream and binary stream.

What is an EOF?

Answer briefly any Six parts from the followings:-

6 × 2 = 12

C - Language

Visual Basic

Define control structure.

Determine the output

```
int a = 1, b = 5;
```

```
if ((a+b) < 6)
```

```
printf("Result=%d", b);
```

```
printf("Answer=%d", a+b);
```

What is sentinel value?

(iii) Describe implicit variable declaration.

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C- Language

- (iv) Write the output of the following code

```

K = 0;
while(K<=5)
{
    printf(“%3d%3d\n”,K,10-K);
    K++;
}

```
- (v) Convert the following code by using for loop

```

int count = 1;
while (count <=10)
{
    printf(“%d\n”,count);
    count++;
}

```
- (vi) Describe unstructure programming.
- (vii) What is function header?
- (viii) Define actual parameters.
- (ix) Write any two benefits of user defined functions

- (iv) Write the syntax of input BOX.
- (v) What is the purpose of Val function?
- (vi) Write the syntax of IF-THEN structure
- (vii) Define compound comparison.
- (viii) Describe the purpose of continue statement
- (ix) Write the syntax of Wile-Wend loop

SECTION ----- II

Note: Attempt any ONE question.

MS - ACCESS

(8 × 1 = 8)

- 5. Define DBMS. Explain different features of a dbms?
- 6. Explain different data types available in MS-Access.

SECTION ----- III

Note: Attempt any TWO questions either from “C – Language” OR from “Visual Basic”. (8 × 2 = 16)

- 7. **C – Language** Briefly describe the basic structure of C program?
- 7. **--OR--Visual Basic** Briefly describe the basic structure of Visual Basic program?
- 8. **C – Language** Write a program that inputs temperature and displays a message according to the following data.

Temperature	Message
Greater than 40.	Hot day
Between 25 and 40 (inclusive)	Pleasant day
Less than 25	Cool day

- 8. **--OR--Visual Basic** Write a program that inputs temperature and displays a message according to the following data.

Temperature	Message
Greater than 40	Hot day
Between 25 and 40 (inclusive)	Pleasant day
Less than 25	Cool day

- 9. **C – Language** Write a program in C-Language that display numbers from 1 to 20 and also compute and display their sum and average by using loop.
- 9. **--OR--Visual Basic** Write a program in VB that display numbers from 1 to 20 and also compute and display their sum and average by using loop.