

Cuj-12-18

Computer Science (New Scheme)

(INTER PART-II) 418 - (I)

Time: 20 Minutes

OBJECTIVE

Paper II

Marks: 75

Code: 8831

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 three circles will result in zero mark in that question. Attempt as many questions as given in objective type questions. Paper and leave others blank.

MS-ACCESS AND C-LANGUAGE

1. Multiple copies of the same data is referred to as:
(A) data integrity (B) data inconsistency (C) data redundancy (D) data isolation
2. A primary key that consists of two or more attributes of a relation is called:
(A) sort key (B) candidate key (C) sub key (D) composite key
3. In E-R diagram, rectangle is used to represent:
(A) entity (B) attribute (C) primary key (D) relationship
4. In 2 NF, which form of dependency is removed:
(A) transitive dependency (B) partial dependency
(C) associative dependency (D) consistency dependency
5. The example of popular DBMS is:
(A) MS-Word (B) MS-Access (C) MS-Excel (D) MS-Power Point
6. The maximum length of text type field in MS-Access is:
(A) 50 characters (B) 250 characters (C) 155 characters (D) 255 characters
7. The extension of header file is:
(A) .c (B) .txt (C) .h (D) .h
8. In C, the maximum length of variable name is:
(A) 25 characters (B) 255 characters (C) 31 characters (D) 55 characters
9. Which function is used to display output on screen in C-Language?
(A) scanf() (B) printf() (C) gets() (D) print
10. Which statement is used for making two way decision?
(A) if (B) nested-if (C) while (D) if-else
11. Which of the following is not logical operator:
(A) && (B) || (C) ! (D) >=
12. How many types of loop structure are in C-Language?
(A) 5 (B) 4 (C) 2 (D) 3
13. What will be the value of x after executing the following code?
for(x=1; x<=7; x++);
printf("%d",x);
(A) 5 (B) 7 (C) 8 (D) 1
14. A function does not return any value has return type:
(A) nothing (B) float (C) void (D) int
15. Which mode opens only an existing file for both reading and writing?
(A) "r+" (B) "w" (C) "w+" (D) "a"

(TURN OVER)

Cuj-12-12

Computer Science (New Scheme)

(INTER PART-II) 418

Paper II

Time: 2:10 Hours

SUBJECTIVE

Marks: 60

Note: Section I is compulsory.

(SECTION – I)

2. Write short answers to any SIX questions:

12

MS-ACCESS

- | | |
|--|---|
| i. What is the use of DML? | vi. What is a functional dependency? |
| ii. List three examples of database systems. | vii. List three methods to create table in MS-Access. |
| iii. Define primary key. | viii. Write the use of data sheet form. |
| iv. What is a relationship? | ix. Differentiate between form and report. |
| v. What is a repeating group? | |

3. Write short answers to any SIX questions:

12

C-Language

- | | |
|--|---|
| i. Write shortcut key to compile and run C-program. | viii. Write output of the following code:
<pre>int a, b, c;
a = 15;
b = 10;
c = a + b;
printf("c = %d", ++c);</pre> |
| ii. What is the use of define preprocessor? | |
| iii. Define delimiters. | |
| iv. Why C is known as strongly typed language? | ix. Find errors from the following code:
<pre>#include <stdio.h>
void main ()
{
int x = 10, y = 15;
x = ++y;
y = x + 1;
printf(" %d %d", x, y);
}</pre> |
| v. How does cancellation error occur? | |
| vi. Write output of the following code:
<pre>int x = 5;
printf(" %d %d", 2 * x, 3 * x);</pre> | |
| vii. Name any four format specifiers provided by C. | |

(Turn Over)

VISUAL BASIC

Cvj-12-18

4. Write short answers to any SIX questions:

i. What is the use of Val function?

vi. What is the output of following code?

ii. What is a relational expression?

iii. Find output of following code:

Dim n, m As Integer

n = 1

m = 2

If n = m Then

Print n

Else

If n = m - 1 Then

Print n

Print m

End If

End If

iv. What is nested loop in Visual Basic?

v. Define Do-While loop in Visual Basic.

Dim n As Integer

n = 1

While n <= 20

If n mod 3 = 0 Then

Print n

End If

Wend

vii. Predict the output of following code:

Dim n, m As Integer

m = 10

n = m + 2

m = n - m

Print m

viii. Find errors in the following code:

Dim x as int;

If x < 3 Then

Print x

End

ix. Explain the difference between Do-While and For-Next loop.

(SECTION - II)MS-ACCESS**Note: Attempt any ONE question.**

5. What is data modeling? What are the ingredients of data modeling?

6. Discuss different types of forms in MS-Access.

(SECTION - III)**Note: Attempt any TWO questions (either from "C-Language" or from "Visual Basic"):**C - LANGUAGE

7. Write any eight rules for naming variables in C-language.

8. Write a program that inputs a week day number and prints the name of day on screen using switch-case structure.

9. What is do-while loop? Explain its working with example.

OR

VISUAL BASIC

7. Discuss implicit and explicit declaration of variables in Visual Basic.

8. Write a code in Visual Basic that inputs a week day number and displays the name of the day in a message box using Select...Case structure.

9. What is Do-While loop? Explain its working with examples.