

Roll No. of Candidate : _____

COMPUTER SCIENCE Intermediate Part-II, Class 12th (1st A 424- III) Group: II Paper: II

Time: 20 Minutes

OBJECTIVE Code: 8836 *GVJ-2-24* 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.

MS-ACCESS

1. The smallest meaningful unit of data in a database is called :
(A) field (B) character (C) record (D) byte
2. In relational database, a table is also called :
(A) tuple (B) relation (C) schema (D) file
3. Which of the following data model is more flexible?
(A) Network data model (B) Relational data model
(C) Hierarchical data model (D) Basic data model
4. Default field size of text data type field in MS Access :
(A) 20 (B) 30 (C) 40 (D) 50
5. In an ER diagram, a rectangle represents :
(A) entity (B) relationship (C) attribute (D) action
6. The columns of a table correspond to :
(A) cell (B) table (C) record (D) field

C-LANGUAGE

7. The case block ends with
(A) End Select (B) End Case (C) break (D) Case else
8. Format Specifier %5.2f for value 4.12157, will produce output :
(A) □4.12 (B) □□4.12 (C) □□□4.12 (D) □5.121
9. If a = 70 what will be the output of the following expression? n = (a >= 80)? 10 : 20;
(A) 5 (B) 10 (C) 15 (D) 20
10. The name of header file is written between :
(A) [] (B) () (C) < > (D) < < > >
11. In which loop the condition comes after the body of the loop?
(A) for loop (B) while loop (C) do - while loop (D) Infinite loop
12. Single line comment starts with
(A) // (B) \\\ (C) *\\ (D) *
13. A file is stored in
(A) RAM (B) Hard Disk (C) ROM (D) Cache
14. Escape sequence used for backspace in C
(A) \\a (B) \\b (C) \\t (D) \\r
15. Local variables are also called
(A) automatic variables (B) normal variables (C) global variables (D) basic variables

OR
VISUAL BASIC

7. A procedure or function that imparts some action to an object is called
(A) property (B) control (C) method (D) label
8. Methods characterize an object's
(A) behaviour (B) appearance (C) value (D) style
9. Which event detects the pressing of standard displayable characters?
(A) key down (B) key up (C) keyboard (D) key press
10. The diamond in a flowchart indicates
(A) input (B) output (C) condition (D) progress
11. The function which is used to display a message
(A) input box (B) message (C) msgbox (D) text box
12. Control, that is used to display text or to accept user input
(A) label (B) textbox (C) button (D) property
13. Relational operators are used to
(A) add (B) compare (C) multiply (D) divide
14. Forms and controls are collectively recognized as
(A) properties (B) objects (C) methods (D) events
15. The default message box style is
(A) OK only (B) Yes No (C) Yes No Cancel (D) Retry Cancel

Note: Section I is compulsory.

SECTION - IMS-ACCESS

12

2. Write short answers to any SIX questions:

- | | |
|---|---|
| i. Define the term database. | v. Define centralized data distribution strategy. |
| ii. Discuss the advantage of variable length field over fixed length field. | vi. What is synonym problem in database? |
| iii. What is the role of end user in database system? | vii. Briefly describe the role of table object in database. |
| iv. Briefly describe the concept of cardinality. | viii. Define the concept of wildcards. |
| | ix. Discuss the layout of datasheet form. |

C-LANGUAGE

12

3. Write short answers to any SIX questions:

- | | |
|---|---|
| i. What is meant by initializing a variable? | v. Why is ampersand (&) used in scanf function? |
| ii. Write the following statement in C-language code:
Temp between 15 and 32 inclusive | vi. Find errors in the following code:
<pre>#include <studio.h> viode main () { int a = 10; printf("%d", a); }</pre> |
| iii. Write errors in the following code:
<pre>int m, y ; m = 10.3; y = 5; printf("%d %d", m , y).</pre> | vii. Predict output of the following code
<pre>int n = 512 , b ; b = n% 10; printf("%d \n %d", n , b);</pre> |
| iv. Predict the output of the following code:
<pre>int x = 5 , y = 10; x = x + y; y = y - x; printf("%d %d", x , y);</pre> | viii. Define binary stream. |
| | ix. Write usage of file pointer. |

OR

VISUAL BASIC

12

3. Write short answers to any SIX questions:

- | | |
|--|--|
| i. What are three basic controls used in Visual Basic? | vi. What is meant by Focus? |
| ii. What is properties windows? | vii. Differentiate between Modal and Modeless Forms |
| iii. Write ways to exit from Visual Basic. | viii. What is the importance of visible property in VB Form? |
| iv. How object methods are called? | ix. Write the method to close a VB Form. |
| v. Define event procedures. | |

C-LANGUAGE

12

4. Write short answers to any SIX questions:

- | | |
|--|--|
| i. Give examples of two control structures. | v. Give output of the following code:
<pre>for(int x=1 ; x <= 5 ; x++) printf("%d \n", x * x);</pre> |
| ii. Predict the output of the code:
<pre>char ch; ch = 'p'; if(ch == 'p') printf("pass"); else printf("fail");</pre> | vi. Give any two advantages of using a user defined function in C-language program. |
| iii. Differentiate between 'do - while' and 'while' loop. | vii. What is the purpose of function call and function return? |
| iv. Convert the following for() loop in to while ()
<pre>for(int i = 1 ; i <= 5 ; i++) printf("%d \n", i);</pre> | viii. Differentiate between local and global variables. |
| | ix. What is the purpose of function header and function prototype? |

(Turn Over)

VISUAL BASIC

12

4. Write short answers to any SIX questions:

- i. Differentiate between explicit and implicit declaration of variable.
- ii. Write the syntax of input box.
- iii. List four relational operators in VB.
- iv. What symbol is used for NOT operator in Visual Basic? Give example.
- v. When should a for – Next loop be used?
- vi. Write syntax of for – Next loop.
- vii. What is the purpose of counter variable?

- viii. Write output of following code segment:

```
x = 0
while x <= 15
    print x + 2
    x = x + 2
wend
```

What is meant by iteration in a loop?

- ix.

SECTION - II
MS-ACCESS

Note: Attempt any ONE question.

5. Define Database model? Explain Hierarchical model along with example. (8)
6. Define view. What are two table views available in MSAccess? How can you switch between them? (8)

SECTION - III

Note: Attempt any TWO questions (either from “C-Language” or from “Visual Basic”):

C - LANGUAGE

7. How would you create, edit, compile, link and execute a program in C-Language? Discuss briefly. (8)
8. Write a program in C-language that inputs three numbers and finds the smallest number. (8)
9. Write a program in C-language that calculates the sum of the following series using loop: (8)

1.0 1.5 2.0 2.5 3.0 3.5 10.0

OR

VISUAL BASIC

7. How would you create, edit, compile, link and execute a program in VB? Discuss briefly. (8)
8. Write a program in Visual Basic that inputs three numbers and finds the smallest number. (8)
9. Write a program in Visual Basic that calculates the sum of the following series using loop: (8)

1.0 1.5 2.0 2.5 3.0 3.5 10.0