

Objective
Paper Code
8831

Intermediate Part Second (New Scheme)
Computer Science (Objective)
Time: 20 Minutes Marks: 15

Roll No. _____

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FBD-12-18

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 the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.

(MS-Access)

| S.# | Questions | A | B | C | D |
|-----|---|---------|-------------|--------------------|------------|
| 1 | The manipulated and processed data is called: | Object | Information | Knowledge | Data |
| 2 | The column of a table is known as: | Record | Table | Field | Cell |
| 3 | In E-R diagram a rectangle represents: | Entity | Attribute | Relationship | Record |
| 4 | Different attributes in two different tables having same name are called: | Synonym | Acronym | Mutually exclusive | Homonym |
| 5 | A database consists of various components called: | Tools | Properties | Entities | Objects |
| 6 | Which data type is the default data type? | Memo | Number | Text | Autonumber |

(C – Language OR Visual Basic)

(C – Language)

| | | | | | |
|----|---|------------|-------------|---------------|-------------|
| 7 | The process of converting source code into object code is known as: | Compiling | Executing | Linking | Saving |
| 8 | $a += b$ is equal to: | $b += a$ | $a = a + b$ | $a = + b$ | $b = b + a$ |
| 9 | Format specifier is started with symbol: | % | ? | & | * |
| 10 | Which programming structure executes program statements in order? | Relation | Decision | Sequence | Repetition |
| 11 | In if statement, true is represented by: | 0 | 1 | 2 | 3 |
| 12 | One execution of a loop is known as a(n): | Cycling | Test | Duration | Iteration |
| 13 | In which loop the condition comes after the body of the loop: | While loop | For loop | Do-while loop | Nested loop |
| 14 | Global variables are created in: | ROM | RAM | Hard disk | Cache |
| 15 | Which function is used to write character to a file? | fputc() | fgets() | fscan() | fprintf() |

OR (Visual Basic)

| | | | | | |
|----|---|--------------------------------|--------------------------------------|---|---|
| 7 | Which is not a type of language translator? | Debugger | Compiler | Interpreter | Assembler |
| 8 | In Visual Basic a form is another name for a(n): | Object | Window | Property | Label |
| 9 | Which statement initializes and loads form in memory without displaying it on screen? | Load | Unload | Hide | Unhide |
| 10 | Which data type is used to handle Yes or No response? | Short | Integer | Boolean | Date |
| 11 | Which is true about a variable during execution of program? | Name and value both can change | Name cannot change, value can change | Name can change, value cannot | Name and value both cannot change |
| 12 | Comments are used to: | Make the program run faster | Make the program compile easier | Increase the size of executable program | Helps others to read and understand program |
| 13 | Which operator is used to assign a value to a variable? | > | + | = | * |
| 14 | All these are relational operators except: | > | + | >= | == |
| 15 | A loop within a loop is called: | Nested loop | Complex loop | Outer loop | Inner loop |

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PBD-12-18

Computer Science (Subjective)

Time: 02:10 Hours

Marks: 60

SECTION – I

12

2. Write short answers to any SIX parts.

(MS – Access)

- (i) Define data inconsistency.
- (ii) List any two problems in traditional file approach.
- (iii) Define composite key / concatenate key.
- (iv) Write the purpose of feasibility study.
- (v) What is meant by entity integrity?
- (vi) Define the term synonym.
- (vii) List any two advantages of reports.
- (viii) What is the use of SELECT query?
- (ix) State the purpose of radio buttons.

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3. Write short answers to any SIX parts.

(C – Language)

- (i) What is meant by language processor?
- (iii) List four keywords in C.
- (v) Write about data type in C.
- (vii) Trace the errors in the following code:

```
#includes<stdio.h>
void Main();
{
    printf( " Hello World " );
}
```
- (ix) Determine the output:

```
int x = 3;
printf( " % d % d ", x , 2*x );
```
- (ii) Define preprocessor directive.
- (iv) Why the logical error is the most difficult error to find?
- (vi) What is the use of "getch" function?
- (viii) Determine the output:

```
char w1, w2, w3;
w1 = 'A' ;
w2 = 'B' ;
w3 = 'C' ;
printf( " % c w2 % c ", w1 , w3 );
```

OR (Visual Basic)

- (i) Which language is used to write algorithms?
- (iii) Write the use of text box.
- (v) Find error in following code:

```
Dim MyAge As Integer
Dim Name As String
```
- (vii) Define control structure in VB.
- (ix) Differentiate between '+' and '&'.
- (ii) Why is it necessary to test a program?
- (iv) Write two examples of events.
- (vi) Find error in following:

```
If x = 5
x = 3
```
- (viii) Write the use of NOT operator.

4. Write short answers to any SIX parts.

(C – Language)

- (i) Name any two control structures.
- (iii) Determine the output:

```
int x = 50;
int y = 25;
if ( x % y == 0 )
    printf( " Result = % d " , x % y );
else
    printf( " No result " );
```
- (v) Find errors:

```
void main (void)
{
    int x = 10;
    if ( x = 10 )
        printf( " True " );
    end if
}
```
- (vii) Why is function used in program?
- (ix) Define the stream in C-Language.
- (ii) What is meant by loop?
- (iv) Determine the output:

```
int x = 0;
for ( x = 1 ; x <= 15 ; x ++ )
{
    printf( " % d \n " , x * x );
    x ++ ;
}
```
- (vi) Convert the following for loop into while loop:

```
int a = 0;
for ( a = 10 ; a >= 1 ; a -- )
{
    printf( " %d " , a );
    printf( " \n " );
    a = 2 ;
}
```
- (viii) List two types of functions in C.

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(Continued P / 2)

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OR (Visual Basic)

- (i) What is the use of message box?
- (ii) What is the counter controlled loop?
- (iii) Determine the output of the following code:
Dim P As Integer
P = 8
If P = 8 then
print P mod 8
- (iv) Find errors in the following code:
Dim x As integer
x = 49;
if x % 2 = 0
then print "even"
- (v) How does a function return a value?
- (vi) What is the life time of a local variable?
- (vii) What is meant by event driven programming?
- (viii) What is the use of file pointer?
- (ix) Write syntax of If - Then - Else structure.

SECTION – II Each question carries 08 marks.

(MS-Access) Attempt any ONE question from the following:

- 5. What is a key? Discuss different types of keys used in database.
- 6. What are reports? Explain any two types of reports.

Attempt any TWO questions either from C-Language OR Visual Basic

(C – Language)

- 7. What are identifiers in C-Language? Discuss their types.
- 8. Write a program in C-Language which input a year from keyboard and find whether it is a leap year or not.
- 9. Define while loop. Write its syntax and draw flowchart. Also explain its working using an example.

(Visual Basic)

- 7. Explain any four components of Visual Basic IDE.
- 8. Write a program in Visual Basic which input a year from keyboard in a text box and find whether it is a leap year or not.
- 9. Define While - Wend loop. Explain its working using an example.

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