SWL -12-19

Roll No._____ Annual 2019

Computer Science
(New Scheme)

(INTERMEDIATE - PART- II) (II)

Time : 20 Minutes

Objective

Paper : II

Code : 8833

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 with marker or pen. Cutting or filling two or more circles will result in zero mark in that question.

(ATTEMPT EITHER FROM ' MS- ACCESS & C-LANGUAGE ' OR FROM ' MS-ACCESS & VISUAL BASIC ')

MS - ACCESS

1.
1. Which data type is the default type?
   (A) memo   (B) number   (C) text   (D) auto number
2. Which of the following is correct association?
   (A) file = column   (B) record = row   (C) field = row   (D) record = table
3. Which of the dependencies is removed in 2NF?
   (A) functional   (B) transitive   (C) associative   (D) partial
4. All the hardware costs are considered during
   (A) project planning   (B) requirement analysis   (C) feasibility study   (D) data analysis
5. A table should have:
   (A) primary key   (B) secondary key   (C) composite key   (D) sort key
6. Which of the following is also known as data set:
   (A) record   (B) field   (C) file   (D) module

C – LANGUAGE

7. Function used to write string to a file is :
   (A)   (B) f gets( )   (C) put c ( )   (D) f puts ( )
8. Multiple arguments to functions are separated by:
   (A) comments   (B) semicolons   (C) colons   (D) commas
9. In a 'for' statement, this expression is executed only once.
   (A) test   (B) initialization   (C) validation   (D) increment / decrement
10. Which statement causes a loop to terminate early?
    (A) break   (B) terminate   (C) exit   (D) stop
11. If a relational expression is false, it has value:
    (A) 1   (B) < 0   (C) 2   (D) 0
12. The case block ends with:
    (A) end select   (B) end case   (C) break   (D) default
13. An escape sequence begins with a character:
    (A) \\   (B) \   (C) /   (D) //
14. $a + b$ is equivalent to:
    (A) $b+ = a$ (B) $a = +b$ (C) $a = a + b$ (D) $b = b + a$
15. The "exe" file is produced by :
    (A) linker   (B) loader   (C) compiler   (D) interpreter

OR

VISUAL BASIC

7. To represent current location of scroll box in scroll bar, we use property:
   (A) value   (B) width   (C) win   (D) index
8. Multiple arguments to functions are separated by:
   (A) comments   (B) semicolons   (C) colons   (D) commas
9. In a 'for' statement, this expression is executed only once.
   (A) test   (B) initialization   (C) validation   (D) increment / decrement
10. A loop within a loop is called:
    (A) nested   (B) inner   (C) outer   (D) upper
11. Relational operators are used to:
    (A) add   (B) multiply   (C) increase   (D) compare
12. Symbol < > in decision structure means:
    (A) less or equal to   (B) greater or equal to   (C) not equal to   (D) equal to
13. The default message box style is :
    (A) Yes No   (B) Ok Only   (C) Yes No cancel   (D) Retry cancel
14. Integer data type occupies the number of bytes:
    (A) 12   (B) 16   (C) 4   (D) 1
15. Methods characterize an object's
    (A) behaviour   (B) appearance   (C) value   (D) style

310- 419 – 9000 ♦♦

Computer Science
(New Scheme)
Paper : II

$SWL-12-19$

Roll No._____/2019
(INTER PART II CLASS 12th)   Time : 2 : 10 Hours

Academic Session 2017-19   Marks : 60
SUBJECTIVE

Note:-   Either from " MS-Access & C-Language" or from "MS-Access & Visual Basic"

(Section – I)

MS – ACCESS

2.   **Write short answers to any Six parts:**   (6 x 2 = 12)
i.   Distinguish between DBMS and data base.
ii.   What is the use of data dictionary?
iii.   Define foreign key.
iv.   What is the purpose of analysis?
v.   When is a relation in 3NF?
vi.   When does an insertion anomaly occur?
vii.   What is the use of scrollbars?
viii.   Define the term degree of relation.
ix.   What is a switch board?

C – LANGUAGE

3.   **Write short answers to any Six parts:**   (6 x 2 = 12)
i.   What is high level language?
ii.   Define object code.
iii.   What is arithmetic expression?
iv.   Write a statement to declare on integer variable i initialized to -1
v.   Determine the output of following code
```
int b = 9;
b = b/2 ;
printf (" % d " , b);
```
Write the use of operators.

vi.   Find the error in the following code:
```
Void main ( )
{
int c =7
Printf ("%f",C;
}
```
vii.   Write the purpose of "%c " format specifier.
viii.   Rewrite the following code after correction.
```
float f=3.14
printf ("%d" , f;
```
ix.   What is the output of following code segment?
```
Printf (" % .3 f" , 1.2);
```

OR
VISUAL BASIC

3.   **Attempt any Six parts**   (6 x 2 = 12)
i.   Where comments can be added in program?
ii.   Define assembly.
iii.   How variable is declared in VB?
iv.   How can you place a control in the center of the form?
v.   What is design time and run time?
vi.   What do you know about class library?
vii.   What does an object consist of?
viii.   Why is the user interface important part of software?
ix.   Why is it necessary to test a program?

4.   **Attempt any Six parts**   (6 x 2 = 12)
C – LANGUAGE
i.   What is control structure?
ii.   Convert the following code to an equivalent if – else statement. Answer = (x > y)? x * y : x + y;
iii.   What will be the output of the following?
```
int X=10;
(x%2= =0)? Printf C "Even") : printf ("odd");
```
iv.   What is counter control loop?
v.   Convert the following code into while loop.
```
int i:
for(i=1; i < = 10 ;  i + +)
{
Printf ("\n Pakistan");
}
```

vi.   What will be the output of the following.
```
Char C = 'A' ;
do
{
Printf ("% C" , C);
C = c + 2;
}
While ( C L = 'I');
```
vii.   What is meant by scope of variable?
viii.   Give an example of user defined and built in function.
ix..   What is meant by fgets function?

(Turn Over)

OR

Attempt any Six parts   **(6 x 2 = 12)**

4.

VISUAL BASIC

i.   What is if statement?   vi.   Distinguish between 1-Dimension and 2-Dimension array.

ii.   Why if – else statement is used?   vii. How subscript variable are written?

iii. Differentiate between Do ... Loop and a   viii. Define string.
      For .....Next loop?

iv   Define loop.   ix.   How value is returned to the function?

v.   What is nested loop?

Section-II

MS - ACCESS

Note:- Attempt any One question.

5.   Define database system. Discuss four major components of database system.   8

6.   What is filter? Discuss different types of filters in MS Access.   8

C – LANGUAGE

Note:- Attempt any Two questions:

7.   What are logical operators? Discuss different logical operators with truth table.   8

8.   Define nested if statement. Explain with the help of diagram and example.   8

9.   Write a program that print odd numbers from 11 to 49 using loop.   8

OR

VISUAL BASIC

Note: Attempt any Two questions:

7.   What are logical operators? Discuss different logical operators with truth table.   8

8.   Define nested if – then statement. Explain its working with the help of diagram and example.   8

9.   Write a program that print odd numbers from 11 to 49 using loop.   8