Computer Science	Inter (Part-II)-A-2021	Time : 20 Minutes
Paper : II	Objective – (II)	Marks : 15

Paper Code | 8 | 8 | 3 | 3 | SWL-21

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 in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

Q.1	Questions	A	B	C	D

MS-ACCESS

Q.1	Questions	A	B	C	D
1.	Which data type can be used to define a field that contains data content such as chart, picture or graphic object?	Hyperlink	Memo	OLE Object	Auto Number
2.	A database consists of various components is called:	Tools	Properties	Entities	Objects
3.	Which form of dependency is removed in 2NF?	Functional	Transitive	Associative	Partial
4.	Organizing the database in computer disk storage is done in:	Logical design	Physical design	Analysis	Implementation
5.	The foreign key is found in:	Parent table	Dependent table	Pivot table	Index table
6.	Which of the given may be a temporary file?	Master file	Transaction file	Backup file	Data file

C-LANGUAGE

7.	The loop which never ends is called:	Infinite loop	Running loop	Continuous loop	Nested loop
8.	Function prototype for built-in functions are specified in:	Source file	Object file	Image file	Header file
9.	The output of compiler is called:	Library Code	Source Code	Linked Code	Object Code
10.	Another term for a computer making a decision is:	Sequential	Selection	Repetition	Iteration
11.	The function that is used to display output on screen is called:	printf	scanf	pow	display
12.	Which escape sequence is used to erase a character left to the cursor position?	\b	\del	\n	\f
13.	The data type which is used to store numeric value with no decimal point?	char	int	float	double
14.	Which of the given operators has lowest precedence?	=	==	!	+
15.	C was designed to write program for:	Windows Operating System	Solaris Operating System	Unix Operating System	OS/2 Operating System

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Computer Science	Inter (Part-II)-A-2021	Time : 2:10 Hours
Paper : II	Subjective **SWL-21**	Marks : 60

(SECTION – I)
MS-ACCESS

2. **Write short answers to any Six parts.** (6 x 2 = 12)

i. Write any two responsibilities of a database administrator.
ii. Define Primary Key.
iii. Enlist different types of relationships.
iv. What is the major objective of physical database design?
v. Which database object stores the data in database?
vi. Define Database Object.
vii. What is linking in MS Access?
viii. Differentiate between " * " and "?" wild card.
ix. How does an input mask help the user to enter data?

C-LANGUAGE

3. **Write short answers to any Six parts.** (6 x 2 = 12)

i. Write use of Turbo C++.
ii. Why does machine language program execute faster?
iii. Write short key for compiling and running a C-Program.
iv. Differentiate between declaring and defining a variable.
v. Define Logical Operator.
vi. Write two rules for naming variables in C.
vii. Write output of the following code:
```
int a=1, b=6;
if(a+b<7)
printf("%d", a);
else
printf("%d",b);
```
viii. Trace the output.
```
if(1 == 2)
printf("hello");
else
printf("welcome");
```
ix. Write down errors in the following:
```
int x,y;
x=15
y=10
if(x/y=0);
printf("ok
```

C-LANGUAGE

4. **Write short answers to any Six parts.** (6 x 2 = 12)

i. Enlist the symbols used as format specifier for different data types.
ii. What is meant by escape sequences?
iii. What is format string in scanf function?
iv. Find the errors in following code segment:
```
x=3.9, y=5.5
for( i =1; i <=10, i +)
printf("%d and % f", x,y);
```
v. Determine the output of the following code segment, assuming m is 3 and n is 5:
```
for(k=n; k>0;--k)
{
    for(j=m;j>0; --j)
    {
    printf("*");
    }
    printf("\n");
}
```
vi. Write the output of the following program fragment:
```
int k=0;
while (k<=5)
{
    printf ("%3d%3d\n",k,10-k)
    k++;
}
```
vii. What is difference between function declaration and function header?
viii. Define Global Variables.
ix. What is meant by Binary Stream?

SECTION – II
MS-ACCESS

Note: - Attempt any one question.

5. Define Database. Discuss the objectives of the databases.   8

6. When is a relation in first normal form? Explain with example.   8

SECTION – III
C-LANGUAGE

Note: - Attempt any two questions.

7. What is a programming language? Discuss the two main categories of programming languages.   8

8. Define and explain If-else Statement.   8

9. Write a program that prints even numbers between (1 to 100) using for loop.   8

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