

Exam : Fundamentals Of Programming

Full Mark : 50

Time: 1 hr. 30 mins

Pass Mark : 20

Code Submission:

1. ZIP the source code.
2. Upload it to your Dropbox or Google drive
3. Share the link of your file to: projects@neosphere.com.np

(Attempt all the Questions)

Multiple Choice question [10 x 1]

Q1. What is the output of the program?

```
#include<stdio.h>
int main()
{
    int a[5] = {2, 3};
    printf("%d, %d, %d\n", a[2], a[3], a[4]);
    return 0;
}
```

- A. Garbage Values B. 2, 3, 3 C. 3, 2, 2 ☒ D. 0, 0, 0

Q2. The operator used to get value at address stored in a pointer variable is

- A. * ☒ B. & C. && D. ||

Q3. How can you open a link in a new browser window?

- A. ☒ B.
C. D.

Q4. How do you display hyperlinks without an underline?

- A. a {text-decoration:no underline} B. a {decoration:no underline}
☒ C. a {text-decoration:none} D. a {underline:none}

Q5. How to create a Date object in JavaScript?

- ☒ A. dateObjectName = new Date([parameters]) B. dateObjectName.new Date([parameters])
C. dateObjectName := new Date([parameters]) D. dateObjectName Date([parameters])

Q6. Which of the following grid class is used for desktops?

- A. lg ☒ B. md C. sm D. xs

Q7. Which jQuery function is used to prevent code from running, before the document is finished loading?

- A. `$(document).load()`
- C. `$(body).onload()`

- ☒ B. `$(document).ready()`
- D. `$(document).blur()`

Q8. Which of the following directive is used to initialize an angular app?

A. `ng-model`

☒ B. `ng-app`

C. `ng-controller`

D. None of the above

Q9. Which of the following are the five built-in functions provided by SQL?

- ☒ A. COUNT, SUM, AVG, MAX, MIN
- C. SUM, AVG, MULT, DIV, MIN

B. SUM, AVG, MIN, MAX, MULT

D. SUM, AVG, MIN, MAX, NAME

Q10. The HAVING clause does which of the following?

- ☒ A. Acts like a WHERE clause but is used for groups rather than rows.
- B. Acts like a WHERE clause but is used for rows rather than columns.
- C. Acts like a WHERE clause but is used for columns rather than groups.
- D. Acts EXACTLY like a WHERE clause.

Long Question [4 x 10]

Q11. Write a C program to generate the multiplication table of a number (entered by the user) using for loop.

Q12. Draw a flowchart to find the largest number among three numbers.

Q13. Create an html table with following specifications:

1. 4 columns and 4 rows
2. Background color must be yellow
3. All the text must be center aligned
4. Changes color when hovered

Q14. Write a SQL query to create a table with following specifications:

1. 4 columns
2. 1st column must be auto incremented.
3. At least two columns should not accept null values.
4. At least one column should accept distinct values.
5. At least five rows must be filled.

Q.No:12 Solution:

REM flowchart to find the largest among three numbers.

