MCA–305

December – Examination 2020
MCA (IIIrd Year) Examination
Linux Administration System
Paper : MCA-305

Time : 2 Hours]   [*Maximum Marks : 80*

Note :– The question paper is divided into two Sections A and B. Write answers as per given instructions.

Section–A   **8×2=16**

(Very Short Answer Type Questions)

Note :– Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 2 marks.

1. (i)   What is the output of echo \ * ?

    (ii)   Which system call is used for creating new processes ?

(iii) What do you mean by Open Source ?

(iv) What do you mean by Shell ? Name any one.

(v) What is the IP Address of Local host ?

(vi) What is the use of Network Sniffing ? Give an example.

(vii) What do you mean by Proxy Server ?

(viii) What is Bash ?

Section–B   **4×16=64**

(Short Answer Type Questions)

Note :– Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 16 marks.

2. Explain the basic architecture of the Unix/Linux System.

3. Describe the process of backup and restore in the files in Linux with a suitable example.

4. What are the major features of the Linux Operating System that has made it so popular ?

5. Write a short note on GNOME Graphical Interfaces.

6. Explain different e-mail protocols with their functionality.

7. Explain how a user is login in Linux ? What are the processes involved ? What happens when a user logs out but the system is not powered off ?

8. How are the Linux files protected ? Through which command can you check whether a file is read protected or not ? Explain with a suitable example.

9. Write a shell script to display the number of numbers that are divisible by 3 within a particular range. Also print the numbers.