

10. How shell script is different from programming language ? Write a script, to find the factorial of a given number.
11. Explain the file structure of Linux in brief.
12. What do you mean by Distributed Computing ? Also, explain in brief various distributed computing model.
13. What do you understand by NFS and NIS ? Explain in brief about these services.

BCA-13
June – Examination 2020
BCA (Part III) Examination
Operating System-II
Paper : BCA-13

Time : 3 Hours]

[Maximum Marks : 70

Note :- The question paper is divided into three Sections A, B and C. Write answers as per the given instructions.

Section-A

7×2=14

(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 upto **30** words. Each question carries 2 marks.

1. (i) What is the use of *ls* command ? Give an example.

- (ii) What do you mean by Distributed Systems ?
- (iii) What is the content of */etc/shadow* file ?
- (iv) What do you mean by Environment Variable ? Give an example.
- (v) What is the *root* account ?
- (vi) What is BASH ?
- (vii) What is Shell ?

Section-B **4×7=28**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each Answer should not exceed **200** words. Each question carries 7 marks.

- 2. Explain the difference between NTFS and FAT with a suitable example.
- 3. Explain *chmod* command with syntax and example. A file has got protection 777 (octal). What protections does it really have ?

- 4. Differentiate between Pre-emptive and Non-pre-emptive Scheduling.
- 5. Explain various administrative operations in Linux. How can a user have access to administrative operations ? Explain with suitable example.
- 6. What do you mean by a Real-time System ? Explain the major classification of Real-Time System.
- 7. What are the desirable issues in Distributed File System ? Explain.
- 8. Discuss the various features of a good Message Passing System.
- 9. Write a short note on the Remote Procedure Call.

Section-C **2×14=28**

(Long Answer Type Questions)

Note :- Answer any *two* questions. You have to delimit each answer maximum upto **500** words. Each question carries 14 marks.