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Total No. of Printed Pages: [01]

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PGDCA (Semester – 2nd)
FUNDAMENTALS OF COMPUTER NETWORKS, INTERNET AND SCRIPTING
LANGUAGES

Subject Code: PGCAS1204

Paper ID: [19240108]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Write a Short note on LAN, MAN and WAN.
- b. What are the responsibilities of Network Layer?
- c. Write a Short note on SMTP Electronic Mail.
- d. How tags are used in HTML?
- e. Write the working of Firewalls.
- f. Write the concept of connectionless Networking?
- g. What is cryptography?
- h. What is DNS? Why is it required?
- i. Discuss design issues for layers.
- j. Discus functioning of bridge and router.

Section – B

(5 marks each)

Q2. Explain the term WWW.

Q3. What do you mean by FTP? Discuss its working.

Q4. What is TCP/IP Reference model? Explain

Q5. What is Multicasting and Broadcasting?

Q6. Write the steps of creating the HTML page. What are the rule of Nesting?

Section – C

(10 marks each)

Q7. Explain the various internetworking devices.

Q8. Why network security is important? Name different security techniques. Explain

Q9. Explain the Following:

- i) Firewalls
- ii) Internet architecture