D

Student Registration Number

COURSE CODE: DCAP406
COURSE TITLE: Computer network

Date: 12-Sep-2013   **Time: 09:30-12:30**
Time Allowed: 3 hours   **Max. Marks: 80**

1. *This paper contains 10 questions divided in two parts on 1 page.*
2. Part A is compulsory.
3. In Part B (Questions 2 to 10), attempt any 6 questions out of 9. Attempt all parts of the selected question.
4. *The marks assigned to each question are shown at the end of each question in square brackets.*
5. *Answer all questions in serial order.*
6. The student is required to attempt the question paper in English medium only.

PART – A

Q1: A) Define the term reference model?   [2]

B) What are layers?   [2]

C) Define term WWW?   [2]

D) Define cryptography?   [2]

E) What is PSTN?   [2]

F) Define Framing?   [2]

G) What is the term DNS?   [2]

H) How congestion control algorithms are beneficial for network?   [2]

I) what is medium access control sub layer?   [2]

J) "Satellite are unguided medium of networking", Justify?   [2]

PART – B

Q2. Write the uses of computer network?   [10]

Q3. Explain reference model of networking in detail with diagram?   [10]

Q4. Write details of two kinds of media used in physical layer?   [10]

Q5. Differentiate between Public switched telephone network, Mobile telephone system and cable television?   [10]

Q6. What do you understand by error detection and correction also explain various other design issues of data link layer?   [10]

Q7 What is channel allocation problem, how medium access control sub layer is useful in solving channel allocation problem?   [10]

Q8. What are data link layer switching techniques for sending frames?   [10]

Q9. Write responsibilities of network layer in OSI model, also differentiate between routing algorithm and congestion control algorithm?   [10]

Q10. Differentiate between transport and application layer responsibilities also explain the terms Cryptography and www?   [10]