SVKM's NMIMS
MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Programme: MBA Tech (Computer) Year: II Semester: IV

Batch: 2016-2017

Academic Year: 2016-2017

Subject: Computer Network

Date: 08 July 2017

Marks: 70
Time: 02.00 pm to 05.00 pm
Durations: 3 (hrs)
No. of Pages: 02

Re-Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

1) Question No.1 is compulsory.
2) Out of remaining questions, attempt any 4 questions.
3) **In all 5 questions to be attempted**.
4) All questions carry equal marks.
5) **Answer to each new question to be started on a fresh page.**
6) **Figures in brackets on the right hand side indicate full marks**.
7) **Assume Suitable data if necessary.**

Q1.Answer the following: 14

a. Compare connection oriented and connectionless services.
b. What is the significance of twisting in twisted pair?
c. How does a single bit error different from burst error?
d. Enlist MAC sub layer protocol.
e. Define QoS.
f. Explain Address resolution protocol
g. What is HTTP?

Q2. (A) Explain TCP/IP model with layers functionalities in detail. Also explain how TCP/IP model is different from OSI model? 7

(B)Discuss SMTP and POP3 message transfer protocol. 7

Q3. (A) Explain CSMA/CD protocol. 7

(B) Compare TCP and UDP protocols in detail. 7

Q4. (A) Explain guided and unguided transmission medium. Discuss circuit switching and packet switching. 7

(B) Explain the working of DNS. 7

Q5. (A)Explain connection establishment and connection release of transport layer. 7

(B)What are the different types of routing? Explain distance vector routing. 7

Q6. (A) Explain sliding window protocol in detail with diagram. 7

(B)Define classful IP address of network layer. Draw the header format of IPV4 and explain in detail. 7

Q7. (A)What is CRC? Given the data bit is 10100111. Show generation of code word at sender's side, if the divisor is 10111.Also show checking of code word at the receiver's side. 7

(B) Discuss about dynamic channel allocation using various aloha. 7
