B.Tech. (CSE)   **(Sem. – 5)**

COMPUTER NETWORKS-II

Subject Code: BTCS-501

M Code: 70534

Date of Examination:13-12-2022

Time: 3 Hrs.   **Max. Marks: 60**

INSTRUCTIONS TO CANDIDATES:

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**

2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**

3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Answer briefly:

   a) What do you understand by SKIP?

   b) What is IS-95 for 2.5G CDMA?

   c) Bluetooth

   d) MAC protocol

   e) CDMA

   f) Cellular system

   g) WLL

   h) IKE

   i) PAN

   j) Encapsulating Security Payload.

SECTION-B

2. Provide a simple overview of IPv6 and compare it with IPv4.

3. Give details of IKE phases and IKE encoding.

4. What are the features, advantages and applications of adhoc networks?

5. Differentiate 2G and 3G.

6. Explain the channel assignment and handoff strategies.

SECTION-C

7. What is the difference between proactive and reactive routing protocols? Explain in detail any two routing protocols used in Adhoc networks?

8. What is the need of IKE? Explain in detail various IKE phases and SKIP protocol.

9. Explain the basics of network security also give the details about Encapsulating SecurityPayload(ESP).

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.