**DCA2201 Computer Networking**

**Assignment Set – I**

1. Explain the TCP/IP protocol suite and how it aligns with the TCP/IP model. Outline the four layers of the TCP/IP model—Network Interface, Internet, Transport, and Application layers—detailing each layer's function in data transmission across networks. Compare the TCP/IP model to the OSI model, noting both their similarities and differences.

2. Describe the concept of sliding window protocols in computer networking. Compare the two primary types of sliding window protocols: Stop-and-Wait and Go-Back-N, highlighting their key similarities and differences.

3. Describe the detailed structure of an IPv4 address, and discuss the significance and purpose of different Internet address classes. Also compare IPv4 and IPv6.

**Assignment Set – II**

4. What is Routing? Explain the significance of routing algorithms. Explain any two routing algorithms in detail.

5. Discuss various email protocols.

6. Describe the role and importance of the Domain Name System (DNS) in computer networking. Additionally, distinguish between static and dynamic web pages.

**Unlock your academic success with our Manipal University Jaipur Assignment available for the Jul - Aug 2024 session!**

**We guarantee the lowest price of just INR 180 per assignment, ensuring you receive top-quality solutions tailored to your needs.**

**Reach out today and secure your fully solved Manipal University Jaipur Assignment at the best prices.**

**Email: For inquiries and orders, reach out to us at** [**smu.assignment@gmail.com**](smu.assignment%40gmail.com)

**WhatsApp: You can also contact us directly at +919741410271 for immediate assistance**

**Our website:** [**https://www.mbaassignmentsolutions.com/**](https://www.mbaassignmentsolutions.com/)