



COMSATS University Islamabad, Lahore Campus
Sessional-I Examination – SPRING 2021

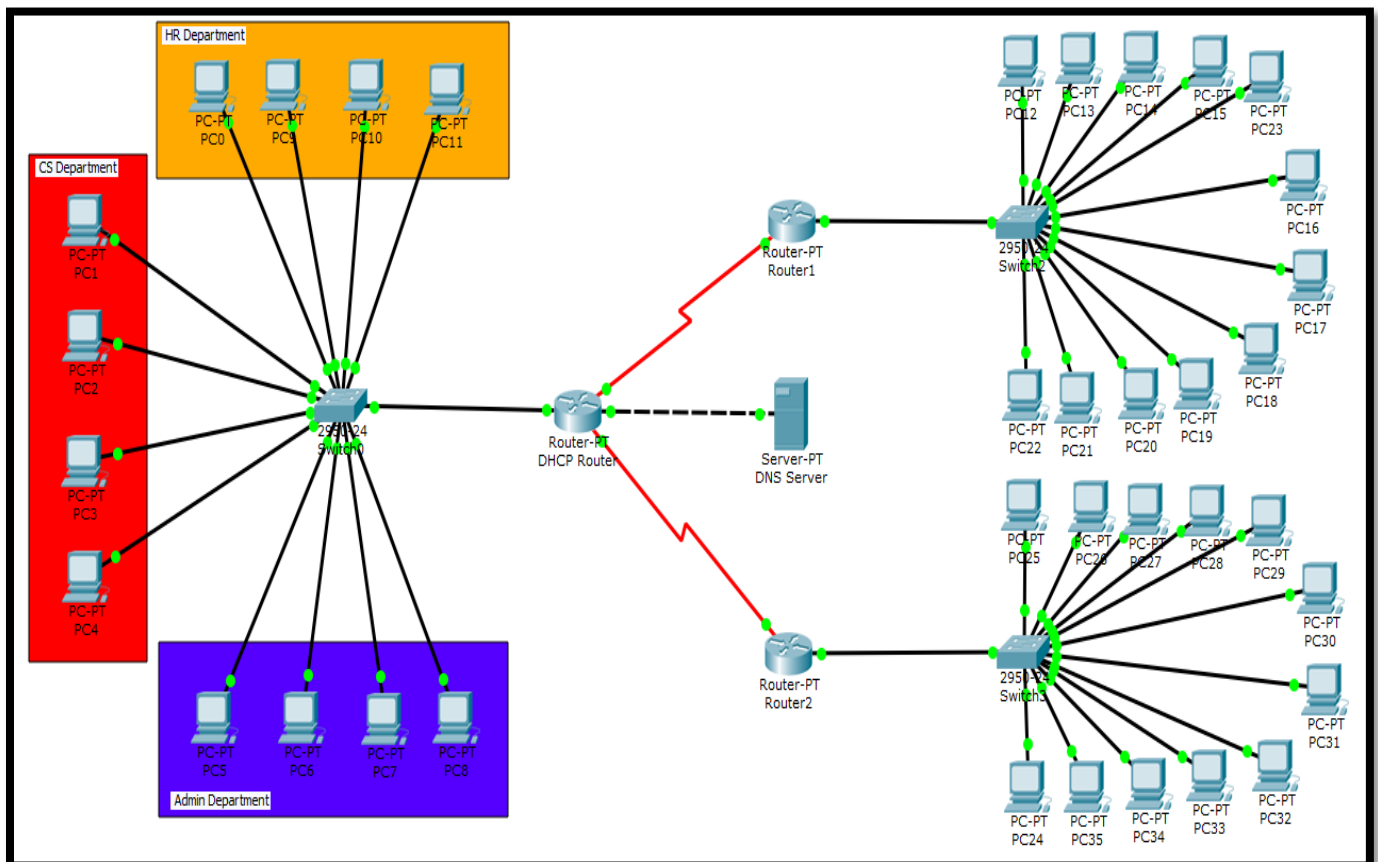
Course Title:	Data Communications & Computer Networks - Lab			Course Code:	CSC339	Credit Hours:	1
Course Instructor/s:	Muhammad Asad Mumtaz			Programme Name:	BS Computer Science		
Semester:	5 th	Batch	SP19	Section:	B	Date:	
Time Allowed:	60 minutes			Maximum Marks:	25		
Student's Name:				Reg			

Important Instructions / Guidelines:

- Read and attempt the exam paper carefully.
- During exam use of internet is prohibited.
- Cheating from other student(s) will be marked as ZERO and necessary action will be taken against you.

Question 1:

Consider the network scenario given below:



- A. First create the given network scenario in Packet Tracer with the exact number of devices. [5 Marks]
- B. Assign IP address to each end user device (PC) by using DHCP through router. Moreover, you'll use your roll number in 2nd octet of each **Network ID**. For example, if you'll use a network ID "**195.16.1.0**" then the 2nd octet number (which is 16 here) will represent your roll number. [4 Marks]
- C. Apply Enhanced Interior Gateway Routing Protocol (EIGRP) wherever required. Moreover, use your roll no. as an autonomous number in EIGRP. [6 Marks]
- D. Create a domain with your name e.g., "**asad.com**" and give access of this domain to every PC in your network. [4 Marks]
- E. Create VLANs on **Switch0** according to departments' name and make sure every department's computers can only communicate with each other. [6 Marks]

Note: You'll submit a zip folder with your **Registration ID** on google classroom. Your zip folder will consist of a **Packet Tracer File** and a **Word File** (with the **Cover page** and **Proper Formatting**). In your word file, you'll provide the answer for each part: **A to E** in the form of screenshots or configuration commands.

Good Luck ☺