 **Asian School of Management and Technology**

(Affiliated to Tribhuvan University)

Gongabu, Kathmandu

**Full Marks: 60**

**Time: 3 Hrs.**

**SET B**

**Preboard Examination 2080**

**BIM / Fourth Semester / IT 240: Business Data Communication and Networking**

***Candidates are required to answer the question in their own words as far as practicable.***

**Group A**

**Brief Answer Questions [10x1=10]**

1. Write down IP multicast addresses range?
2. Write down the disadvantages of static routing?
3. What do you mean by node-to-node connection?
4. What is a virtual circuit (VC)?
5. Define delay jitter.
6. What is the use of ICMP message?
7. What is Quality of Service?
8. What is CIDR?
9. List the differences between TCP and UDP.
10. Write down the port no below protocols:

a. HTTPS b. SSH C. SMTP d. DNS

**Group B**

**Short Answer Question [5x3=15]**

1. What is the difference between a router and a firewall?
2. Defi
3. **C**
4. **C**
5. **C**

**Group C**

**Brief Answer Questions [10x1=10]**

1. Sdsd
2. Df
3. Dfd
4. Fr

**Group D**

**Comprehensive Question: [2x5=10]**

1. Draw the logical topology with the technical documentation.

A newly established college is opening soon with three new departments A, B, C, and two labs. The IPv4 address prefix of the new college LAN is 192.168.10.0/24 and it is

Expect each department to have the following number of hosts:

Admin: 10 hosts

Account: 5 hosts

Library: 25 hosts

LAB-1: 30 hosts

LAB-2: 30 hosts