**RUBRICS**

* **Network Topology Design (10 points)**
  + Properly designed hierarchical network with appropriate placement of devices.
  + Clear segregation of departments/faculties into separate IP networks and VLANs.
  + Correctly connected networking devices using the right cabling.
* **LAN Configuration (15 points)**
  + Correct creation and assignment of VLANs to respective ports and devices.
  + Secure implementation of VLANs with proper access control measures (e.g., port-security).
  + Seamless inter-VLAN routing configuration using the "Router on a stick" method.
* **DHCP Server Configuration (10 points)**
  + Successful setup of a router based DHCP server for Building A's devices.
  + Correct configuration of DHCP pool and lease times.
  + Verification that devices in Building A acquire dynamic IP addresses successfully.
* **Routing Protocol Configuration (15 points)**
  + Proper implementation of RIPv2 for internal network routing.
  + Successful configuration of static routing for the external server.
  + Verification of routing table entries and communication between networks.
* **SSH Configuration (10 points)**
  + Securely configured SSH for remote access to networking devices.
  + Proper username/password authentication or key-based authentication.
  + Successful remote access to at least one networking device via SSH.
* **Security Settings (15 points)**
  + Implementation of port-security on switches to limit MAC addresses per port.
  + Verification that unauthorized devices are not allowed on secured ports.
  + Overall network security measures to protect against unauthorized access.
  + Any additional proactive security measures apart no mentioned in the requirements.
* **Test and Verification (15 points)**
  + Successful testing and verification of network communication between devices.
  + Verification of inter-VLAN routing and access to shared resources (e.g., web server).
  + Error-free network performance during testing.
* **Creativity and Documentation (10 points)**
  + Creative problem-solving and innovative approaches to tackle challenges.
  + Well-documented network topology, configurations, and rationale for decisions.

**Total Points: 100**

**In case of a tie, the team with the most efficient network design and well-documented configurations will be given preference.**