



- 7. A. First, protocal layors allow for the modular design of network systems. It enables cosier development, maintenance, and ingenodes of individual layors without impacting the entire system.

  Secondly, protocol layors promote interoperability as different layors can be developed and updated independently. This ensures compartibility and smooth communication between diverse Mis, Six components.
  - b. First, protocol layers leads additional processing and communication overhead due to the need for enapsulation, paraing, and routing at each layer, potentially increase lateray in data transmission. Secondly, morrogang and troubleshooting a system with multiple protocol layors can be challonging, as issues at one layer can attent others, requiring expertise and time for resolution.

## 8. AAAAABBCCCDDE

13 slots oure needed. (each slot recieves 4Kbps)