1st Question:

* Network Design
* Connectivity maps
* Feasibility studies
* Capacity Planning Options
* Baseline Studies

2nd Question:

* Routing in WANS
* How to connect things inside the scenario
* Virtual Circuit Technology
  + What happens with Virtual Circuits across a WAN
* Comparing centralized routing, distributed routing and adaptive routing
* RIP routing tables
* Need to update a routing table from an old one

3rd Question:

* Addressing
* Subnetting – related to the scenario
  + Work out how many subnets you’ll need
  + How many bits you’ll need
  + Mask the broadcast address
* Email protocols – the different types and there differences
* HTTP messages and what they all do

4th Question:

* Security and Network operating systems.
* Types of attacks.
  + Need to discuss those
* Public key cryptography. Which key needs to be used for what.
* Authentication
  + The principles – understand and be able to describe
* A comparison between the different NETWORK OPERATING SYSTEMS
  + The differences between them
  + And the advantages and disadvantages of them, and why you would choose each one.