F5 101

Section 1 - OSI

Explain, compare, and contrast the OSI layers

Explain Protocols and Technologies Specific to the Data Link Layer

Explain protocols and apply technologies specific to the network layer

Explain the features and functionality of protocols and technologies specific to the transport layer

Explain the features and functionality of protocols and technologies specific to the application layer

Section 2 - F5 Solutions and Technology

Articulate the role of F5 products

Explain the purpose, use, and advantages of iRules

Explain the purpose, use, and advantages of iApps

Explain the purpose of and use cases for full proxy and packet forwarding/packet based architectures

Explain the advantages and configurations of high availability (HA)

Section 3 – Load Balancing Essentials

Discuss the purpose of, use cases for, and key considerations related to load balancing

Differentiate between a client and server 93

Section 4 – Security

Compare and contrast positive and negative security models 95

Explain the purpose of cryptographic services 102

Describe the purpose and advantages of authentication 106

Describe the purpose, advantages, and use cases of IPsec and SSL VPN 110

Application Delivery Fundamentals

Section 5 – Application Delivery Platforms

Describe the purpose, advantages, use cases, and challenges associated with

hardware based application delivery platforms and virtual machines

Describe the purpose of the various types of advanced acceleration techniques