

- 25%** **3.0 IP Connectivity**
- 3.1 Interpret the components of routing table
  - 3.1.a Routing protocol code
  - 3.1.b Prefix
  - 3.1.c Network mask
  - 3.1.d Next hop
  - 3.1.e Administrative distance
  - 3.1.f Metric
  - 3.1.g Gateway of last resort
- 3.2 Determine how a router makes a forwarding decision by default
  - 3.2.a Longest prefix match
  - 3.2.b Administrative distance
  - 3.2.c Routing protocol metric
- 3.3 Configure and verify IPv4 and IPv6 static routing
  - 3.3.a Default route
  - 3.3.b Network route
  - 3.3.c Host route
  - 3.3.d Floating static
- 3.4 Configure and verify single area OSPFv2
  - 3.4.a Neighbor adjacencies
  - 3.4.b Point-to-point
  - 3.4.c Broadcast (DR/BDR selection)
  - 3.4.d Router ID
- 3.5 Describe the purpose, functions, and concepts of first hop redundancy protocols