

OSPF Basics (All questions are worth 1 mark)

1. Of the following commands, which are configured in the OSPF "process" context (i.e. within "router ospf {proc-ID}")? Choose **all** that apply.
 - a. point-to-point link type
 - b. reference-bandwidth (default)
 - c. router-ID
 - d. Whether OSPF should be bilingual or only speak english.
 - e. Whether the SPF tree has green leaves or red leaves.

2. Of the following commands, which are configured for OSPF within the context for an interface? Choose **all** that apply.
 - a. dead-interval
 - b. hello-interval
 - c. priority (for DR/BDR)
 - d. Whether OSPF should be bilingual or only speak english.
 - e. Whether the SPF tree has green leaves or red leaves.

3. Which OSPF packet type is used for discovering its neighbours?
 - a. Hello
 - b. Database description
 - c. Link-state request
 - d. Link-state update
 - e. Link-state acknowledgement

4. How many roles can a (single) OSPF router have at the same time?
 - a. At most one: DR, BDR, or DR Other
 - b. Exactly one (always): DR, BDR, or DR Other
 - c. At most two: either of DR, BDR, and then possibly DR Other
 - d. Up to three: DR, BDR, DR Other
 - e. Always three: DR, BDR, DR Other

5. Why would an administrator ever want to mess around with the OSPF reference-bandwidth? (Just seems like a lotta work to me!)
 - a. The original default value is too low for today's networks.
 - b. The original default value is too high for today's networks.
 - c. The original default value is 0, so a known value is better.
 - d. Uniqueness: a custom value assists in making devices unique.
 - e. Resiliency: a custom value allows the network to recover more quickly if there's a failure or power-outage.

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Answer Section

1. ANS: B, C PTS: 1
2. ANS: A, B, C PTS: 1
3. ANS: A PTS: 1
4. ANS: D PTS: 1
5. ANS: A PTS: 1