

Multi-Area OSPF (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. (Repeat from last quiz.)
 - a. point-to-point link type
 - b. reference-bandwidth (default)
 - c. router-ID
 - d. Priority (for DR/BDR)
 - e. Hello interval

2. Which of the following are guaranteed to be "Backbone routers"? Choose **all** that apply. (Ref: slide 5)
 - a. Area 0 router
 - b. ABR
 - c. Internal router
 - d. ASBR
 - e. a DR router

3. In the output of "show ip ospf database", which of the following sections would list Type 3 LSAs? Choose **all** that apply. (Ref: slide 18)
 - a. Router Link States
 - b. Net Link States
 - c. Summary Net Link States
 - d. Summary ASB Link States
 - e. AS External Link States

4. Which of the following statements is true regarding an Internal Backbone router?
 - a. None of its interfaces are in area 0
 - b. All its interfaces are in area 0
 - c. Some, but not all of its interfaces are in area 0
 - d. Some, but not all of its interfaces are outside area 0
 - e. There is no specific rule about what areas its interfaces are in

5. Which of the following statements are true regarding ABRs? Choose **all** that apply. (Ref: Slide 5)
 - a. There is at most one ABR in an area.
 - b. Every ABR must have at least one interface in the backbone.
 - c. Every ABR must have at least one interface in area 0.
 - d. The number of ABRs must be equal to the number of non-zero areas.
 - e. The number of ABRs must be less than the number of non-zero areas.

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Answer Section

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