

1. Ring shift and Johnson counters are _____
 - a) Synchronous counters
 - b) Asynchronous counters
 - c) True binary counters
 - d) Synchronous and true binary counters
2. What is the preset condition for a ring shift counter?
 - a) All FFs set to 1
 - b) All FFs cleared to 0
 - c) A single 0, the rest 1
 - d) A single 1, the rest 0
3. Design a 8 bit ring counter (twisted or Johnson)