

# Written Quiz

	<b><u>POINTS</u></b>
1. What is meant by the term "bight" of the cable?	<u>10</u>
2. Why is the dog clutch left disengaged when cable is being free spooled off the drum?	<u>10</u>
3. Why is the wood wedge used?	<u>10</u>
4. Why is the hand-over-hand method used when handling cable?	<u>10</u>
5. Why do you steer from side to side while being winched?	<u>10</u>
6. A mechanical winch is found on vehicles with transmissions.	<u>10</u>
7. CDF engines typically have _____ feet of winch cable which is _____ inch in diameter.	<u>10</u>
8. Mechanical winches should not be used in excess of RPM's.	<u>10</u>
9. During winching operations, the straighter the pull the better. You should not winch if the load is offset greater than _____ from center.	<u>10</u>
10. When unwinding cable, leave three to four wraps on the drum to _____.	<u>10</u>

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**

**FINAL SCORE:**

# Written Quiz - Key

## POINTS

1. What is meant by the term "bight" of the cable? 10  
**THE AREA INSIDE THE WINCH CABLES WHEN A SNATCH BLOCK IS BEING USED**
2. Why is the dog clutch left disengaged when cable is being free spooled off the drum? 10  
**SAFETY IN CASE PTO IS ACCIDENTALLY ENGAGED**
3. Why is the wood wedge used? 10  
**TO KEEP CABLE FROM UNWINDING**
4. Why is the hand-over-hand method used when handling cable? 10  
**BECAUSE THE CABLE SLIDING THROUGH YOUR HAND CAN CAUSE INJURY**
5. Why do you steer from side to side while being winched? 10  
**TO PREVENT UNEVEN CABLE BUILD UP ON THE DRUM**
6. A mechanical winch is found on vehicles with **STANDARD** transmissions. 10
7. CDF engines typically have **150** feet of winch cable which is **1/2** inch in diameter. 10
8. Mechanical winches should not be used in excess of **1500** RPM's. 10
9. During winching operations, the straighter the pull the better. You should not winch if the load is offset greater than **15 DEGREES** from center. 10
10. When unwinding cable, leave three to four wraps minimum on the drum to **SECURE THE CABLE TO THE DRUM.** 10

## POINTS

**FINAL SCORE:**

**POINTS POSSIBLE:**     100

**POINTS DEDUCTED:**