

## **Introduction to Prescribed Fire Worksheet**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Please select one: (Undergraduate, Graduate, Staff, Faculty, Other)

Complete this worksheet fully and submit it to your instructor. You must score at least 80% to pass. Total points available: 50. Please do not use outside resources or AI to answer the questions. If you have any questions or need help, contact your instructor.

Please write or highlight all your answers in **RED** and **BOLD** to make grading easier.

1. What is prescribed fire? *(2 points)*
  
  
  
  
  
  
  
  
  
  
2. How does prescribed fire differ from wildland fire? *(2 points)*
  
  
  
  
  
  
  
  
  
  
3. Describe three uses of prescribed fire as a management tool. *(3 points)*
  
  
  
  
  
  
  
  
  
  
4. What are the three components of the fire triangle? *(3 points)*
  
  
  
  
  
  
  
  
  
  
5. What are the three major environmental factors that affect fire behavior? *(3 points)*
  
  
  
  
  
  
  
  
  
  
6. How does topography affect prescribed fire? *(1 point)*

7. Relative humidity (RH) is at its minimum when the temperature reaches its daily maximum. *(1 point)*
- True
  - False
8. What are the four characteristics of Critical Fire Weather Conditions? *(4 points)*
9. What is the type of fire that is lit on the downwind side of the fire and typically has lower intensity fire behavior? *(1 point)*
- Head fire
  - Flanking fire
  - Backing fire
10. Describe the Ring Firing Technique. *(2 points)*
11. Based on this unit, if the wind was coming out of the southeast, where would the initial ignition/anchor point be? Write the appropriate drop point. *(1 point)*



12. Assuming the ring firing technique is utilized to complete this burn, where would the predicted tie-in-point be? Write the appropriate drop point. **(1 point)**
13. What is wet lining? **(1 point)**
14. Describe two goals during the mop-up stage? **(2 points)**
15. What are the three fire line roles on a UNL fire and what are their specific tasks? **(3 points)**
16. When using a radio, radio traffic is initiated by stating your name then who you are trying to contact. **(1 point)**
- a. True
  - b. False
17. (True or False) 100% cotton or wool clothing and undergarments are the minimum required PPE, as these materials will not melt to your body. **(1 point)**
- a. True
  - b. False
18. What are the five pieces of PPE you are required to wear on UNL prescribed fire? **(5 points)**
19. Name three pieces of equipment that are used on a UNL prescribed fire? **(3 points, +0.5 bonus points for all 5)**

20. How should a flapper be used? *(1 point)*
- a. Swat at the fire to beat out the flames
  - b. Slowly drag the flapper across the fire to remove oxygen
  - c. Use the flapper as a fan to remove heat from the fire
21. What must you wear to a UNL prescribed fire? *(2 points)*
22. What should you bring to a UNL prescribed fire? *(4 points)*
23. **Bonus Question:** What are three advantages of conducting prescribed fire compared to mechanical removal methods for prairie management? *(3 bonus points possible)*

### **Feedback and Field Day Information**

Please use the space below to share any questions or comments you have regarding the presentation or prescribed fire in general.

If you have any concerns about the upcoming field day, such as specific needs, accommodations, or logistical questions, please list them here.

To help us follow up, include your preferred phone number and email address.