

## Quiz 12: Small Scale Harvesting Equipment

Please note that there is a \$20 testing fee to receive a certificate for each module. If you would like to receive a certificate for completing this module, please send a cheque or money order (payable to the Minister of Finance) along with the completed quiz to Nova Scotia Department of Natural Resources, Stewardship and Outreach, P.O.Box 698 Halifax. NS B3J 2T9

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1. Many factors have to be considered when choosing small scale woodlot equipment to purchase.

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2. **John wishes to harvest about 100 cords of wood every year. Which of the following equipment is suitable for such amount of wood?**

- a. ATV
- b. A tractor
- c. A snowmobile
- d. None of the above

3. Which of the following factors may be considered as limitation(s) for ATVs?

- a. Terrain and stand conditions
- b. ATV may require addition of guarding to protect vulnerable components, and operator
- c. Wood work can be hard on plastic components of ATV
- d. No ROPs, FOPS or OPS specifically designed for ATVs, addition of these items may invalidate their warranty
- e. Excessive running in low gear may increase breakdowns
- f. All of the above

4. A winch can be attached to:

- a) A trailer
- b) A tractor
- c) A skidder
- d) It's own stand alone frame
- e) All the above

5. Which of the following factors are important when deciding whether to modify your current system or buy another one.

- a) Is it powerful enough?
- b) Can it handle the amount of wood to be cut?
- c) Is it adaptable to new attachments?
- d) All the above

6. A sled can handle a heavier load than a trailer: True \_\_\_\_\_ False \_\_\_\_\_

7. A rotating hitch is a good idea because:

- a. It lets the trailer rotate separately from the tractor or ATV
- b. The trailer can roll over and not take the tractor or ATV with it
- c. The drawbar and hitch will not be bent
- d. All of the above

8. Which of the following contributes to a safer ATV when using it for harvesting:

- a. Liquid in the tires
- b. liquid in the gas tank
- c. Liquid in the driver
- d. None of the above

9. Name three additional protection **attachments recommended** when modifying your tractor for woods work.(3 points)

- a.
- b.
- c.

10. FOPS stands for Fast Object Protection Structure : True\_\_\_\_\_ False \_\_\_\_\_

11. Winches can be:

- a. PTO driven
- b. Electric
- c. Hydraulic
- d. Manual
- e. Gas engine powered
- f. Any of the above

12. Most ATV brakes are designed for light duty cycling. Forwarding wood on a loaded trailer in downhill direction can cause premature brake wear and failure and can be dangerous.

True \_\_\_\_\_ False \_\_\_\_\_

13. A felling lever is used to:

- a. Prevent saw jam
- b. Push the tree over
- c. Roll trees that hang up
- d. All of the above

14. The synthetic cable Spectra is:

- a. heavier than steel cable
- b. lighter than steel cable

c. the same weight as steel cable

15. A choker should be 2 m(6 ft) long: True \_\_\_\_\_ False \_\_\_\_\_

16. Name at least two key factors that a good truck tractor should have (2 points).

- a.
- b.

17. When using chokers, attach the furthest tree first: True \_\_\_\_\_ False \_\_\_\_\_

18. Your ATV trailer should be loaded :

- a. With the weight towards the front
- b. with the weight towards the back
- c. balanced in the middle
- d. None of the above
- e. All of the above

19. With regard to winching which one of the following statements is correct?

- a. A well-planned layout ensures that your winch line can reach all the areas you are harvesting
- b. Winching allows you to move logs from areas that may be damaged by equipment such as tractors or ATVs
- c. All of the above

20. Name three things that can prevent rear rollovers (3 points)

- a.
- b.
- c.