# SCHOOL BUS DRIVER
# MOUNTAIN DRIVING WRITTEN TEST
## January 2014

Colorado Department of Education
School Transportation Unit

The following questions are based on information in Unit 7 of the 2011 Colorado School Bus Driver Trainer's Manual, and the information contained in the 1990 video tape "Mountain Driving Overview". Passage of this test will meet the requirements of 1 CCR 301-26, 4204-R-207.06(c). Please circle the letter of the correct response on the answer sheet.

88% (miss 3 or less) or better is a passing score.

## <u>Do Not Write On This Test</u>

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1. Which condition would present additional risks and consequences in mountain driving?
    a. Steep grades
    b. Wildlife
    c. Blind curves
    d. All of the above

2. Mountain driving requires a low level of concentration with no need for respect of the terrain.
    a. True b. False

3. CDE requires a route operator pass both Mountain driving and Adverse weather tests during Pre-service training.
    a. True b. False

4. In mountain driving, target speed is:
    a. The speed a driver needs to stay below
    b. The speed a driver needs to stay above
    c. The speed a driver determines is safe for a driving condition
    d. None of the above

5. Engine compression is the first source of braking power unless the bus is equipped with a retarder.
    a. True b. False

6. The retarder is designed to slow the bus, not completely stop the bus.
    a. True b. False

7. Which of the following is not a type of retarder:
    a. Electromagnetic
    b. Hydraulic
    c. Torsion bar
    d. Engine/exhaust

8. Over use of the retarder on slippery roads can break the traction of the rear wheels.
   a. True  b. False

9. Which of the following could be factors of brake fade?
   a. Heat buildup
   b. Decreased effectiveness of brakes
   c. May cause a fire
   d. All are factors

10. When reading mountainous terrain, scan for:
   a. Grade of road
   b. Upcoming curves
   c. Wildlife
   d. All of the above

11. Road pitch is the angle of the road side to side in relation to the curve and grade.
   a. True  b. False

12. Braking through a turn may cause:
   a. The bus to skid
   b. The bus to accelerate
   c. Control of the bus to be more difficult
   d. A and C

13. Hugging the outside of a curve is the best lane position.
   a. True  b. False

14. Automatic tire chains may be lowered or raised at speeds up to 40 mph.
   a. True  b. False

15. Tips for using conventional chains include:
   a. Carry additional chain tighteners
   b. Inspect and install all chains in the fall
   c. Label all chains for the bus
   d. All of the above

16. Delineators convey a variety of messages to motorists.
   a. True  b. False

17. Which of the following are true about roadway delineation posts?
   a. A single amber reflector will be on the right side of the roadway
   b. Two amber reflectors indicate a moderate to serious problem
   c. A single white reflector will be on the left side of the roadway
   d. None of the above

18. It is safer to always swerve to avoid hitting animals in your lane.
   a. True  b. False

19. The treatment for altitude sickness includes:
    a. Move patient to lower altitude
    b. Remain quiet (sitting or laying down)
    c. Drink fluids
    d. All of the above

20. In mountain driving, the first and most important component to insure the safety of the students is the school bus operator.
    a. True b. False

21. Since an automatic transmission can upshift even when manually locked in gear it is imperative to keep the bus at a low safe speed.
    a. True b. False

22. When speed is doubled, the stopping distance is increased by 2 times and has 3 times the destructive force in a crash.
    a. True b. False

23. Issues with other motorists may include:
    a. Crowding the center of the road
    b. Motorists may be uncomfortable driving in mountains
    c. Bicyclists on roadway
    d. All of the above

24. To reduce fatigue or minor aches when driving long distance, the driver may:
    a. Try lumbar support
    b. Adjust the seat forward or back and up or down
    c. Perform stretches before and after driving
    d. All of the above

25. Which of the following is true about escape ramps?
    a. May be used if bus has lost all forms of braking
    b. They are only for truck use
    c. May also be found on the flat plains
    d. All of the above