

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Rear cross-traffic alert is used to warn the driver when backing out from a parking space if there is a vehicle approaching from either side. The system uses _____ installed on both sides of the vehicle near the rear bumper. 1) _____
 - A) Sonar
 - B) Ultrasonic
 - C) Radar
 - D) Cameras

- 2) A typical radar cruise control system uses _____. 2) _____
 - A) Long range radar (LRR)
 - B) Short range radar (SRR)
 - C) Electronic throttle control system to control vehicle speed
 - D) All of the above

- 3) A radar cruise control system is designed to _____. 3) _____
 - A) Warn when police radar is present
 - B) Maintain a set distance between vehicles
 - C) Disengage when police radar is detected
 - D) None of the above

- 4) Adaptive cruise control systems can also be called _____. 4) _____
 - A) Dynamic cruise control
 - B) Active cruise control
 - C) Radar cruise control
 - D) Any of the above

- 5) A driver complains that the brakes seem to release slowly at times, usually when stopped on a hill. This is normal operation of the _____ systems. 5) _____
 - A) Hill keep assist
 - B) Adaptive cruise control
 - C) Pre-collision systems
 - D) Automatic emergency braking

- 6) Self-parking vehicles use _____ and control the _____ to control the vehicle into a parking space. 6) _____
 - A) Radar; throttle
 - B) Camera; electric power steering
 - C) Sonic sensor; brakes
 - D) Radar; electric power steering

- 7) A parking-assist system works to warn the driver if the vehicle is getting close to an object. What type of object CANNOT be detected by most systems? 7) _____
- A) Objects larger than 3 inches (8 cm) wide
 - B) Objects larger than 10 inches (25 cm) high
 - C) Objects under the vehicle
 - D) Any of the above
- 8) Calibrating radar and cameras involves all of the following EXCEPT _____. 8) _____
- A) Factory or factory-level scan tool
 - B) Special targets set at precisely specified location around the vehicle
 - C) Both static (stationary and dynamic (moving) calibration is required
 - D) Driving the vehicle in a circle 10 times to calibrate the cameras
- 9) What is NOT a function of advanced driver assist systems? 9) _____
- A) Self-drive capability
 - B) Take the load off the driver
 - C) Help the driver avoid a collision if a vehicle in front of them stops quickly
 - D) Alert the driver of a potential issue
- 10) The purpose of lane keep assist (LKA) is _____. 10) _____
- A) To warn the driver if moving out of a lane
 - B) Used with adaptive cruise control to self-drive the vehicle without driver input or control
 - C) To keep the vehicle within the lane, using the electric power steering
 - D) Both A and C

Answer Key

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1) C

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2) D

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3) B

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4) D

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5) A

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6) B

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7) D

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8) D

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9) B

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10) D

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