

Name \_\_\_\_\_

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

- 1) What SAE level has the vehicle handling all functions without any driver interventions? 1) \_\_\_\_\_  
A) Level 3  
B) Level 5  
C) Level 6  
D) None of these
  
- 2) The purpose of a camera in an autonomous vehicle is to \_\_\_\_\_. 2) \_\_\_\_\_  
A) post pictures on social media  
B) replace the human eye  
C) take selfies of the driver  
D) none of the above
  
- 3) Ultrasound on an autonomous vehicles is being discussed. Technician A says that it is typically used in park-assist applications. Technician B says that it has an effective operating range of approximately 2 to 4 yards. Which technician is correct? 3) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
  
- 4) What may be required to properly calibrate the vehicle camera system? 4) \_\_\_\_\_  
A) Painted lines on the floor  
B) Small mirrors  
C) Large patterned mats  
D) None of these
  
- 5) Many manufacturers currently offer SAE level \_\_\_\_\_ equipped vehicles. 5) \_\_\_\_\_  
A) 2  
B) 3  
C) 4  
D) 5
  
- 6) Radar systems use \_\_\_\_\_ to calculate the speed and distance of objects. 6) \_\_\_\_\_  
A) flashing LEDs  
B) the Doppler Effect  
C) vibration returns  
D) mirrored discs
  
- 7) An autonomous vehicle can have up to how many driving levels? 7) \_\_\_\_\_  
A) 2  
B) 6  
C) 7  
D) 3

- 8) Autonomous vehicles are being discussed. Technician A says that vehicle-to-vehicle communication results in fewer traffic collisions. Technician B says that there are concerns related to cybersecurity and a loss of privacy. Which technician is correct? 8) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 9) On an autonomous vehicle, navigation decisions are made by the \_\_\_\_\_. 9) \_\_\_\_\_
- A) actuators
  - B) brake-by-wire system
  - C) multi-domain controller
  - D) LIDAR controller
- 10) What will happen if there is a fault in any of the actuators in an autonomous vehicle? 10) \_\_\_\_\_
- A) DTCs will be set.
  - B) The system will enter a fail-safe mode.
  - C) Both A and B
  - D) Neither A nor B

## Answer Key

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1) B

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2) B

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3) C

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4) C

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5) A

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6) B

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7) B

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8) C

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9) C

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10) C

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