Name_____

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

1) A microchip contains the unique internal identification (ID) number, and it is used to prevent what?
   A) Starting the vehicle
   B) Opening the doors
   C) Unauthorized scanning of the ID number
   D) Starting the radio

1) _____

2) A typical Ford immobilizer system is called _____.
   A) VATS
   B) PATS
   C) Passlock
   D) SKIS

2) _____

3) What can be determined by following the specified diagnostic routine?
   A) The root cause
   B) The service procedure
   C) Customer concern
   D) Service information

3) _____

4) A typical Chrysler immobilizer system is called _____.
   A) VATS
   B) PATS
   C) Passlock
   D) SKIS

4) _____

5) If an immobilizer-related fault occurs, what symbol is likely to be displayed on the dash?
   A) "IM"
   B) A padlock symbol
   C) The "check engine" light
   D) The "service engine soon" light

5) _____

6) Most vehicle manufacturers recommend a series of steps that a technician should follow when diagnosing a fault in the immobilizer system, what is the FIRST step?
   A) Visual inspection
   B) Verify customer concern
   C) Use a scan tool
   D) Both A and B

6) _____

7) What can occur if the immobilizer system is not working as designed?
   A) No crank condition (the starter motor does not operate)
   B) The engine cranks but does not start
   C) The engine starts but then almost immediately stalls
   D) Any of the above

7) _____

8) An immobilizer fault may occur if the _____.　　　　8) _____
  A) The key is dropped onto a hard surface
  B) The key gets wet
  C) The key is exposed to any kind of magnetic field
  D) Any of the above

9) If there is a fault with an invalid key, the dash symbol flashes continuously and the _____　　9) _____
  does not start.
  A) Starter
  B) Engine
  C) Alternator
  D) Both A and B

10) How is data transmitted between the key and the steering column (lock cylinder)?　　10) _____
  A) By inductive coupling
  B) By electrical contacts inside the lock cylinder
  C) Transmitted from the key to the vehicle using the battery inside the key
  D) Transferred from the key to the BCM using a small transmitter in the key

1) C
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2) B
   Page Ref: 341
3) A
   Page Ref: 345
4) D
   Page Ref: 341
5) B
   Page Ref: 339
6) B
   Page Ref: 343
7) D
   Page Ref: 339
8) D
   Page Ref: 341
9) B
   Page Ref: 339
10) A
   Page Ref: 339