Automotive Engine Performance, 5th Edition	
Quiz 11A	

1) Most variable camshaft systems use to control camshaft position.	1)
A) Air pressure	
B) Vacuum	
C) Oil pressure	
D) Atmospheric pressure	
2) Technician A says the 4.2 L Trailblazer engine has variable valve timing which changes the point	nt 2)
at which the intake valves open and close.	
A) True	
B) False	
3) What sensors are used by the PCM to determine the best position of the camshafts for maximu	m 3)
power and lowest possible exhaust emissions?	,
A) Engine speed (RPM)	
B) Crankshaft position (CKP) sensor	
C) Camshaft position (CMP) sensor	
D) All of the above	
4) To reduce oxides of nitrogen (NO_x) exhaust emissions, which camshaft is varied?	4)
A) Exhaust camshaft only	
B) Intake camshaft only	
C) Both the intake and exhaust camshaft	
D) The exhaust camshaft is advanced and the intake camshaft is advanced	
5) A stored emission–related fault code could disable the cylinder deactivation system.	5)
A) True	0)
B) False	
6) Variable valve timing can be found on which type of engine?	6)
A) Cam-in-block	0)
B) SOHC	
C) DOHC	
D) All of the above	

8) Variable valve timing is used to	8)
A) Reduce exhaust emissions	
B) Increase engine performance	
C) Reduce engine wear	
D) Both A and B	
9) Which diagnostic trouble code (DTC) may be set if there is a problem with the bank 1 intake cam	9)
position?	
A) P0521	
B) P0300	
C) P0420	
D) P0011	
10) If the incorrect grade of engine oil is used in and engine equipped with a variable displacement	10)
engine, what diagnostic trouble code (DTC) could be set?	
A) P0521	
B) P0300	
C) P0420	
D) P0011	

Answer Key

Testname: ENGINEPERF5_11A

- 1) C
 - Page Ref: 178, 180
- 2) B
 - Page Ref: 176
- 3) D
 - Page Ref: 181
- 4) A
 - Page Ref: 177-178
- 5) A
 - Page Ref: 186
- 6) D
 - Page Ref: 176
- 7) B
 - Page Ref: 184
- 8) D
 - Page Ref: 178
- 9) D
 - Page Ref: 184
- 10) A
 - Page Ref: 184