Automotive Engines 10th

Quiz 27B MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.		
 Flat-bottom valve lifters rotate during operation because of the of the camshaft. A) taper of the lobe B) thrust plate C) chain tensioner D) bearings 	1	
 2. Technician A says that silent chains are quieter than roller chains and do not stretch with use. Technician B says that on overhead valve engines, the camshaft is usually placed in the block above the crankshaft. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians A and B D) Neither technician A nor B 	2	
 3. Hydraulic lifters or hydraulic lash adjusters (HLA) may not bleed down properly and could cause an engine miss if A) the engine oil is 1 quart low B) the wrong API-rated engine oil is used C) the wrong SAE-rated engine oil is used D) Both A and B 	3	
 4. What determines the amount of valve overlap? A) Total lift in degrees B) Cam lobe accuracy C) Camshaft design D) Timing gears or chain 	4	
 5. A camshaft is hardened during manufacturing to a typical depth of inch. A) 1/8 B) 0.001 to 0.006 C) 0.42 to 0.60 D) None of these 	5	
 6. The maximum total indicator runout (TIR) of a camshaft should be less than A) 0.002 in. B) 0.006 in. C) 0.004 in. D) 0.008 in. 	6	
 7. Technician A says that valve overlap is the number of crankshaft degrees that both valves are closed. Technician B says that valve overlap occurs when the piston is at or near TDC. Which technician is correct? A) Technician A only B) Technician B only 	7	

- C) Both technicians A and B
- D) Neither technician A nor b

8. The timing chain in an engine uses a on the side of the chain to maintain correct chain tension.	8
A) tension screw; loaded	
B) short rod; unloaded	
C) hydraulic tensioner; loaded	
D) spring tensioner; unloaded	
9. The valves could be bent if the timing belt breaks on which of these?	9
A) Freewheeling engine design	
B) In-block cam engine	
C) Interference engine design	
D) Undersquared engine	
10. Which timing chain type is also called a "silent chain"?	10
A) Roller	
B) Morse	
C) Flat link	
D) Both B and C	

Answer Key Testname: ENGINES 10 27B

- 1. A
 - Page Ref: 384
- 2. B
 - Page Ref: 378; 380
- 3. C
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- 4. C
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- 5. B

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6. A

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7. B

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8. D

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9. C

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10. D

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