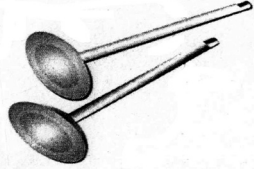




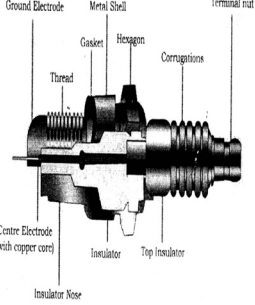
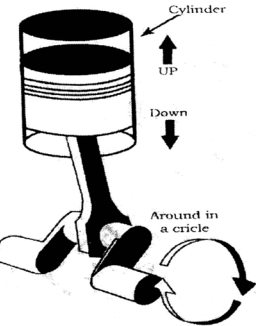
ಕೀಲಿ ಉತ್ತರ

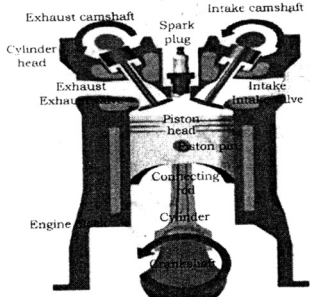
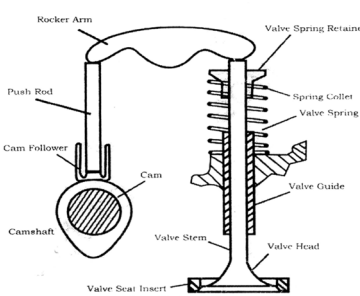
ತರಗತಿ : 9

ವಿಷಯ : Automobile
(Third Language)

9/44

ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ	ಉತ್ತರದ ವಿವರ	ಅಂಕ ವಿಂಗಡಣೆ
I.	1. B) Circular component 2. C) 1944 3. D) Spark plug 4. A) Cooling system 5. B) Go 6. C) 18 7. D) Compressed Natural Gas 8. A) Nitrogen and Carbon Compound 9. B) Battery 10. C) TATA motors	(1×10=10)
II.	11. Suzuki 12. Willys overland 13. Regional Transport Office (RTO) 14. 1991	(1×4=4)
III.	15. i) → c) Car ii) → d) Dumper iii) → f) Bulldozers iv) → a) Tractor	4
IV.	16. 1) Spark Ignition engine (SI) 2) Compression Ignition engine (CI)	½ ½
	17. 1) Clutch assembly 2) Gear box assembly	½ ½
	18.  Diagram - 1	1
	19. At night and In poor light conditions	½ ½
	20. Seat belt saves life by keep our body from hitting the inside of the vehicle	1
	21. Hybrid car is a vehicle that uses two or more power sources to move the vehicle (OR) The vehicle combines an IC engine and electric motor called Hybrid car.	1
V.	22. 1. TATA Motors 2. Hindustan motor 3. Premier automobiles 4. Maruti suzuki 5. Ford 6. Hyundai 7. Honda (any four)	½ ½ ½ ½
	23. 1. It be light 2. Have minimum number of components 3. Have long fatigue life 4. Be cheap 5. Attractive shape and colour (any four) OR 1. Fuel tank 2. Fuel line 3. Fuel filter 4. Air cleaner 5. Fuel pump 6. Fuel injector (any four)	½ ½ ½ ½ ½ ½ ½ ½

ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ	ಉತ್ತರದ ವಿವರ	ಅಂಕ ವಿಂಗಡಣೆ
	24. 1. To remove excess heat from the engine 2. Maintain a constant engine temperature	1 1
	25.  Right curve (sign-2) OR  Left U – Turn (sign-2)	2 2
	26. 1. Using catalytic converts in automobiles for reducing emission 2. Decrease the number of vehicles 3. Use public transport (any two)	1 1 1
	27. Automobiles have to run on dirty roads and polluted environment so they need regular maintenance and servicing of automobiles	2
VI.	28. Spark plug  Diagram-2 Parts-1 OR  Crank shaft Diagram – 2 Parts – 1	3 3

ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ	ಉತ್ತರದ ವಿವರ	ಅಂಕ ವಿಂಗಡಣೆ
	29. * Highway safety * Driving in drunken condition * Driving in sleepy condition * Use cell phone while driving * Over speed/rash driving * Driving in wrong lanes * Turning without giving signal etc.	1/2 1/2 1/2 1/2 1/2 1/2
	30. 1) Job card filling 2) Washing of vehicle 3) Engine minor tune up 4) Oil change 5) Checking of battery 6) Checking of clutch 7) Checking of brake 8) Checking of tyre air pressure (any six)	1/2 1/2 1/2 1/2 1/2 1/2
	31. 1. Trinity of braking system is one of the most significant safety system 2. It comprises the ABS, Electronic brakeforce distribution and Brake assist. 3. The combination of these advanced safety technologies sets a new standard in car.	1 1 1
VII.	32. Petrol engine  Diagram – 3 Parts – 1 OR Push Rod and Rocker arm  Diagram – 3 Parts – 1	4 4

ಕೀಲಿ ಉತ್ತರ

ತರಗತಿ : 9

ವಿಷಯ : Automobile
(Third Language)

9/44

ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ	ಉತ್ತರದ ವಿವರ	ಅಂಕ ವಿಂಗಡಣೆ
	<p>33. Objectives of lubrications :</p> <ol style="list-style-type: none"> 1. To reduce friction 2. To reduce wear and tear 3. To provide cooling effect 4. To provide cushioning effect 5. To provide cleaning action 6. To provide sealing action (any four) 	<p>1 1 1 1</p>
	<p>34. 1. Always select right tools for right job. 2. Keep tools and equipment under control 3. Wipe excess oil and grease 4. Work quietly 5. Keep jack handles out of the way 6. Do not put sharp objects in pocket 7. Always use safety devices 8. Never run engine in a closed garage</p> <p style="text-align: center;">OR</p> <p>Check regularly</p> <ol style="list-style-type: none"> 1. Top off brake fluid 2. Check for uneven wear 3. Change engine oil 4. Check tyre air pressure 5. Clean your engine 6. Dilute your coolant 7. Check drive-belt tension 8. Preserve the car door and window seal 9. Place a towel under baby seats 10. Seal a leaky radiator 11. Check battery 	<p>½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½ ½</p>