

ಕರ್ನಾಟಕ ಶಾಲಾ ಪರೀಕ್ಷೆ ಮತ್ತು ಮೌಲ್ಯನಿರ್ಣಯ ಮಂಡಲ

ಕೆಎಸ್‌ಕ್ಯುವಿಸಿ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು-560003.

KARNATAKA SCHOOL EXAMINATION AND ASSESSMENT BOARD

KSQAAC, Malleshwaram, Bengaluru-560003.

ಮೌಲ್ಯಾಂಕನ - ಮಾರ್ಚ್ 2024 - ಮಾದರಿ ಪ್ರಶೋತ್ತರ ಪತ್ರಿಕೆ

Assessment - March 2024 Model Paper

Class : 9

Subject : Automobile

Marks : 60

Time : 2 Hours 15 min.

Information to be filled by the Student

Name of the Student : _____

Student SATS No :

Signature
of the Student : _____

Information to be filled by the Room Invigilator

School DISE Code :

School Name : _____

Cluster : _____ Block : _____ District : _____

School Type : Govt. Aided Un-aided

(Put "✓" mark for applicable information)

Signature of the Room Invigilator : _____

Information to be filled by the Evaluator at the time of evaluation

Question Number	Obtained marks	Question Number	Obtained marks	Question Number	Obtained marks
1		13		25	
2		14		26	
3		15		27	
4		16		28	
5		17		29	
6		18		30	
7		19		31	
8		20		32	
9		21		33	
10		22		34	
11		23		-	
12		24		-	
				Grand Total	

Total marks obtained (in words) : _____

Signature of the Evaluator : _____

I. Four alternatives are given for each of the following questions / incomplete statements. Choose the correct alternative and write the complete answer along with its question number and alphabet :

10 x 1 = 10

1. The name of the first Indian made cheapest car is

- (A) Gypsy (B) Maruti
(C) Ambassador (D) Nano

Answer : _____

2. Wheel cart holds

- (A) Two wheels (B) One wheel
(C) Three wheels (D) Four wheels

Answer : _____

3. The objective of lubrication system in vehicle is to

- (A) Increase light (B) Reduce friction
(C) Reduce speed (D) Increase friction

Answer : _____

4. The component used to supply the fuel in petrol engine is

- (A) Push rod (B) Fuel injector
(C) Fuel pump (D) Spark plug

Answer : _____

5. Passport is necessary for this type of driving license

- (A) Learner driving license (B) Heavy motor vehicle license
(C) Light motor vehicle license (D) International driving license

Answer : _____

6. Identify the sign of height limit of a vehicle

- (A)  (B) 
(C)  (D) 

Answer : _____

7. Expanded form of P.U.C. is

- (A) Part Under Control (B) Pollution Under Control
(C) Population Under Control (D) Petrol Under Control

Answer : _____

8. The gas produced during the combustion of petrol is

- (A) Oxygen (B) Hydrogen
(C) Carbon dioxide (D) Nitrogen

Answer : _____

9. Job cards are used in

- (A) Air filling centre (B) Fuel filling centre
(C) Vehicle sales centre (D) Vehicle sales centre

Answer : _____

10. Sleep detection system in cars is developed by

- (A) Volvo (B) Land Rover
(C) Ford (D) Mercedes Benz

Answer : _____

II Fill in the blanks with suitable answer : 4 x 1 = 4

11. An average of _____ men are needed to equal the power of one horse.
12. New auto rikshaws run on _____ and are eco-friendly.
13. The safety device that should be worn while driving a two wheeler is _____ .
14. A hybrid electric vehicle combines internal combustion engine and _____ .

III 15 The type of vehicles are given in Column-A and their examples are given in Column-B. Match them and write the answers along with its letter of alphabet : 4 x 1 = 4

Column-A	Column-B
i) Agricultural vehicle	a) Dumper
ii) Commercial vehicle	b) Car
iii) Passenger vehicle	c) Road Roller
iv) Construction equipment vehicle	d) Combine harvester
	e) Fork lift
	f) Crane
	g) Tanker

IV Answer the following questions :

6 x 1 = 6

16. What is a rim ?

17. Mention the use of cooling system.

18. Draw the diagram of inlet valve.

19. Vehicle registration is necessary. Why ?

20. List any two hurdles in road safety.

21. What is pre-scan technology ?

V Answer the following questions :

6 x 2 = 12

22. Chennai is called Detroit of India. Why ?

OR

Wheel offers low resistance to motion. Why ?

23. Write the objectives of lubrication system.

24. Write the functions of clutches.

25. Draw the typical cautionary sign for right curve ahead.

26. What is air pollution ? How can we control air pollution caused by automobiles ?

27. Mention any four daily inspections before starting the vehicle.

OR

Mention any four common activities in the automobile workshop.

VI Answer the following questions :

4 x 3 = 12

28. Draw the diagram of Piston pin and label the parts.

OR

Draw the diagram of air cooling component and label the parts.

29. List the main reasons for road accidents.

30. What safety rules have to be followed during servicing of vehicles ?

Explain.

31. New innovations are important in automobile ? Justify.

VII Answer the following questions :

3 x 4 = 12

32. Draw the diagram of Push rod and Rocker arm and label the parts.

OR

Draw the diagram of Rack and Pinnion system and label the parts.

33. Explain the functions of suspension system.

34. Write any eight measures to be followed for the better maintenance of vehicle.

OR

Write the contents of Job card.

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DO NOT WRITE ANYTHING HERE