



C20-A-404

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**BOARD DIPLOMA EXAMINATION, (C-20)
OCTOBER/NOVEMBER—2023**

DAE – FOURTH SEMESTER EXAMINATION

AUTOMOBILE SERVICING AND MAINTENANCE

Time : 3 Hours]

[Total Marks : 80

PART—A

3×10=30

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Draw the layout of garage.
2. State the need of specialist repair shop.
3. Write the functions of lubrication equipment and name few.
4. State the importance of maintenance.
5. List out the basic steps involved in servicing of a vehicle.
6. List any three troubles and remedies of ignition system.
7. Write any three common troubles of cooling system.
8. What is valve lapping?
9. What are the factors to be considered for engine reboring?
10. What is the necessity of fuel injector servicing?

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Explain the working of vehicle hoist with a eligible sketch.

(OR)

(b) Explain the working of high pressure lubrication equipment with a neat sketch.

12. (a) Explain the types of maintenance in detail.

(OR)

(b) Explain the procedure of engine tune-up in detail.

13. (a) Write the troubleshooting of differential.

(OR)

(b) Write the troubleshooting of gearbox.

14. (a) Explain the procedure of line boring machine.

(OR)

(b) Explain the working of brake shoe riveting machine with a neat sketch.

15. (a) Write the troubleshooting of the fuel injection system.

(OR)

(b) Explain the fuel injection test bench with a neat sketch.

PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 16.** How do we assess whether the workout engine requires reboring? State the points to be taken into account before reboring and explain reboring procedure with a neat sketch.

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