

**KADI SARVA VISHWAVIDHYALAYA**  
**B.E(Automobile Engineering) Semester-VII**  
**Examination-November2016**

**Subject: Vehicle Maintenance**  
**Subject Code:AE704**

**Date: 16.11.16**  
**Time: 10.30 to 11.30**

**Total Marks: 70**

**Instructions:**

1. Answer each section in separate Answer sheet.
2. Use of Scientific calculator is permitted.
3. All questions are **Compulsory**.
4. Indicate **clearly**, the options you attempt along with its respective question number.
5. Use the last page of main supplementary of **rough work**.

**SECTION-I**

- Que:1** (A) How maintenance improve the performance of vehicle? Explain with brief. [5]  
(B) Explain maintenance and servicing of the differential system. [5]  
(C) What is the meaning of maintenance, repair, overhauling? [5]

**OR**

- (C) Explain maintenance and servicing of Braking systems. [5]  
**Que:2** (A) Explain maintenance and servicing of propeller shaft. [5]  
(B) Explain computerized wheel alignment. [5]

**OR**

- (A) Draw and explain service station and its layout. [5]  
(B) Explain engine components cleaning methods. [5]  
**Que:3** (A) Explain structure of servicing Job Card. [5]  
(B) Explain: dismantling of engine components. [5]

**OR**

- (A) Discuss servicing and maintenance of the clutch. [5]  
(B) Explain tools used for vehicle maintenance. [5]

**SECTION-II**

- Que:4** (A) Explain maintenance and servicing of automatic transmission and gear box. [5]  
(B) Explain maintenance and servicing of steering systems. [5]  
(C) Explain Breakdown & Predictive maintenance. [5]

**OR**

- (C) Explain wheel alignment. [5]



- Que:5 (A) Explain the servicing of radiator. [5]  
(B) Fault diagnosis and maintenance of modern electronic controls. [5]

OR

- (A) What do you mean by anticorrosion and antifreeze additives? [5]  
(B) Discuss: window glass actuating system maintenance. [5]  
Que:6 (A) Explain importance of maintenance and servicing of battery. How charging systems of the battery works? [5]  
(B) Write a short note on DC generator and alternator. [5]

OR

- (A) What are the minor and major repairs of vehicle? [5]  
(B) Explain checking and servicing of dashboard instruments. [5]

Best of luck