

Code No: **R41241****R10****Set No. 1****IV B.Tech I Semester Supplementary Examinations, February/March - 2018****VEHICLE MAINTENANCE****(Automobile Engineering)****Time : 3 hours****Max. Marks: 75****Answer any FIVE Questions****All Questions carry equal marks**

- 1 a) Write the steps involved in preparation of inspection schedule and maintenance records. [8]
b) What is meant by a preventive maintenance? Discuss its importance. [7]
- 2 a) Explain the causes for engine overheating. [7]
b) Explain the procedure for lubrication maintenance. [8]
- 3 a) Explain the special tools used for overhauling of an engine and assembly procedure. [7]
b) Describe the servicing technique and find tuning of the contact breaker distributor assembly of an engine. [8]
- 4 Describe the major problems that will affect the performance of clutch system of vehicle. How they can be rectified? [15]
- 5 a) What is bleeding of brake? Why bleeding of a brake is important? [8]
b) What are the various symptom and possible faults in the steering system? [7]
- 6 Explain briefly:
(a) Maintenance of alternator.
(b) Head light alignment.
(c) Mention two main reasons for gear slip of vehicle. [15]
- 7 a) Explain causes for Engine overheating. [7]
b) Explain cleaning procedure of cooling system. [8]
- 8 a) What do you mean by tinkering and soldering? [5]
b) Explain in brief
(i) Body repair tools
(ii) Door lock mechanism [10]