

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VII (New) EXAMINATION – WINTER 2019****Subject Code: 2170206****Date: 26/11/2019****Subject Name: Vehicle Maintenance & Garage Practice****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) What is maintenance? List down different type of maintenance.	03
	(b) Discuss the role of service advisor for automobile workshop.	04
	(c) Discuss the overhauling of gear box in detail.	07
Q.2	(a) List out different type of measuring instruments used in automobile workshop.	03
	(b) Draw a job card with all necessary nomenclature.	04
	(c) Explain various tests carried out on diesel injector in detail.	07
	OR	
	(c) Explain various tests carried out on petrol injector in detail.	07
Q.3	(a) Explain the servicing procedure of cylinder block.	03
	(b) Explain service procedure of cylinders in detail.	04
	(c) Which are the different tests carried out for testing brakes?	07
	OR	
Q.3	(a) List out different service equipments used in service station.	03
	(b) What do you mean by steering geometry? Discuss any two terms in detail.	04
	(c) Discuss various stages of painting process for passenger car.	07
Q.4	(a) What do you mean by balancing? Give their types.	03
	(b) Explain the wheel balancing procedure in detail.	04
	(c) Discuss the brake bleeding procedure in detail.	07
	OR	
Q.4	(a) What do you mean by chassis lubrication? Discuss its importance.	03
	(b) Discuss the overhauling of differential in detail.	04
	(c) Compare single spanner, double spanner and three spanner workshops with one another in detail.	07
Q.5	(a) Discuss the possible causes for clutch slipping.	03
	(b) What do you mean by clutch juddering? Discuss its possible causes and remedies.	04
	(c) Which are the different causes for engine does not start?	07
	OR	
Q.5	(a) Draw the trouble shooting chart for any four wheelers.	03
	(b) Draw the layout of modern workshop.	04
	(c) Which are the different tests carried out for measuring brake efficiency of any vehicle?	07
