

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
Diploma Engineering, semester Examination

Semester: 4TH
Subject Code: 03612251
Subject Name: Vehicle Structural Engineering

Date: 18/01/2023)
Time: (1hr: 30min)
Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1	Answer any six out of Ten. (2 Marks Each)	(12)	Co/Po Name	Blooms Taxonomy Words
	1. What do you understand by Vehicle Body Engineering			Knowledge
	2. Explain Defrost glass			Understand
	3. What is Hand tools? List the Hand tools			Knowledge
	4. Write the use of Grinder			Create
	5. What is the body aligning			Knowledge
	6. Define with an example (1) Sedan (2) Hatchback			Knowledge
	7. Write down purpose of laminated glass			Create
	8. Enlist tools and equipment used in Body repair shop			Knowledge
	9. Write the types of Resins			Create
	10. Name the two methods of vehicle body construction			Knowledge
Q.2	A) Explain Safety Body Cell & Crumple Zone	(03)		Understand
	OR			
	A) List the Aspects of a good vehicle body and coachwork	(03)		Knowledge
	B) List the safety measure to be followed while working in body shop	(03)		Knowledge
	OR			
	B) What is Power tool? List any five Power tools used in Body shop	(03)		Knowledge
	C) Write procedure of Windshield glass installation method	(04)		Create
	OR			
	C) Difference between GRP and FRP	(04)		Understand
	D) Explain characteristics of Sheet-metal	(04)		Understand
Q.3	A) Explain methods of reducing or damping down noise & vibration in vehicle	(03)		Understand
	OR			
	A) Explain about Interior Trim	(03)		Understand
	B) Write short note Electronic straightening and measuring system.	(03)		Create
	OR			
	B) Explain hydraulic Jack	(03)		Understand
	C) Enlist the types of pliers draw any one with nomenclature	(04)		Knowledge
	OR			
	C) Enlist the types of chisels and draw them	(04)		Knowledge
	D) Explain Safety Body Cell & Crumple Zone	(04)		Understand

