

Seat No: _____

Enrollment No: _____

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

Semester: 5th

Date: (dd/mm/yyyy)

Subject Code: 03605307

Time: (1hr: 30min)

Subject Name: Advance Construction Technology

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)
	1. Write Full form of RPVC, HDPE, FRP, GRP.	
	2. Enlist out the water proofing materials.	
	3. Write the advantages of Fly ash.	
	4. Write the names of compacting equipment.	
	5. Enlist the types of blasting.	
	6. Write the names of floor polishing machineries.	
	7. Write the names for components of Belt Conveyors.	
	8. Define crane.	
	9. State the needs of conveyer belt.	
	10. Enlist names of different Hauling equipment.	
Q.2	A) State the types of fiber and explain in detail any one types of fiber.	(03)
	OR	
	A).Explain use and properties of Micro silica.	(03)
	B).Explain use of fly ash as construction materials.	(03)
	OR	
	B). State HDPE materials? Explain its properties and application.	(03)
	C). Explain hoisting equipment and explain Gin pole.	(04)
	OR	
	C).Give the names of conveying equipment and explain any one in details.	(04)
	D). State the factors affecting selection of types of construction equipment.	(04)
Q.3	A).Write short note on: (i) Derric Pole (ii) Winches	(03)
	OR	
	A) Explain Tower crane with neat sketch.	(03)
	B) Explain power shovel with neat sketch.	(03)
	OR	
	B) Write short note on Sheep foot roller.	(03)
	C) Describe blasting process with explosive materials.	(04)
	OR	
	C) Write short note on hot mix plant.	(04)
	D) Explain grouting and gunniting.	(04)

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