

Seat No: _____

Enrolment No: _____

Gujarat Technological University

Diploma 1st Semester Examination-

Subject Code: 4300001

Subject Name: Mathematics

Date:

Time: 02 hrs. 30 Min.

Total Marks:70

Instructions:

- 1.ALL five questions are compulsory.
- 2.Make Suitable assumptions wherever necessary.
- 3.Figures to the right indicate full marks.
- 4.Use of SIMPLE CALCULATOR is permissible. (Scientific/Higher Version not allowed)
- 5.English version is authentic.

Q.1 Fill in the blanks using appropriate choice from the given options. 14

- (1), (2), (3), (4) From Unit-1, Determinant and Function
(5), (6), (7) From Unit-2 Trigonometry
(8), (9) From Unit-3 Vector
(10), (11) from Unit-4 Coordinate Geometry
(12), (13), (14) from Unit-5 Limit

Q.2 (A) Attempt any two. 06

- (1) From Unit-1 Determinant and Function
(2) From Unit-1 Determinant and Function
(3) From Unit-2 Trigonometry

(B) Attempt any two. 08

- (1) From Unit-1 Determinant and Function
(2) From Unit-1 Determinant and Function
(3) From Unit-1 Determinant and Function

Q.3 (A) Attempt any two. 06

- (1) From Unit-2 Trigonometry
(2) From Unit-2 Trigonometry
(3) From Unit-4 Coordinate Geometry

(B) Attempt any two. 08

- (1) From Unit-2 Trigonometry
(2) From Unit-2 Trigonometry
(3) From Unit-3 Vector

Q.4 (A) Attempt any two.	06
(1) From Unit-3 Vectors	
(2) From Unit-3 Vectors	
(3) From Unit-4 Coordinate Geometry	
(B) Attempt any two.	08
(1) From Unit-3 Vectors	
(2) From Unit-3 Vectors	
(3) From Unit-5 Limit	
Q.5 (A) Attempt any two.	06
(1) From Unit-5 Limit	
(2) From Unit-5 Limit	
(3) From Unit-5 Limit	
(B) Attempt any two.	08
(1) From Unit-4 Coordinate Geometry	
(2) From Unit-4 Coordinate Geometry	
(3) From Unit-4 Coordinate Geometry	

***** *Best Wishes* *****