Seat No.:	Enrolment No
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

ME - SEMESTER- I (Old course)• REMEDIAL EXAMINATION – SUMMER 2015 Subject Code: 2710506 Date: 14/05/2015

**Subject Name: Distributed Computing & Application** 

Time: 10:30 am to 1:00 pm Total Marks: 70

**Instructions:** 

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

Q.1	(a)	Explain different order statistic filers with proper comparisons. Explain any one with suitable example.	07
	<b>(b)</b>	Explain second order Edge detection operators in detail.	07
Q.2	(a) (b)	Explain different Active Contours (Snake) used for shape extractions. What is Texure? Describe different methods for texture descriptions.	07 07
	<b>(b)</b>	OR Explain Deformable Template and problem associated with it in details.	07
Q.3	(a) (b)	Explain different classification approaches.  How moment describes shape@ layout. Explain different moments in details.  OR	07 07
Q.3	(a) (b)	Explain different boundary description methods.  Write notes on Hough transform. Also give brief details on extension of Hough Transform.	07 07
Q.4	(a) (b)	Define Curvature. How curvature in Image is detected? What is 3D tomography? Compare it with high resolution tomography.  OR	07 07
Q.4	(a) (b)	Discuss different motion detection approaches using feature extraction.  Explain different mathematical morphological operations used in image processing.	07 07
Q.5	(a) (b)	Describe Image Processing in 3D. What are the different techniques of shape skalatonization? Discuss in detail.	07 07
Q.5	(a) (b)	OR Explain in details about the basics of reconstruction in 3D. Explain Volumetric display in 3D Visulalization.	07 07
	(U)	Explain Volumente display in 3D Visulanzadon.	U/

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