**R16** 

## Code No: 138BH

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year II Semester Examinations, September - 2020 COMPUTER VISION

(Electronics and Communication Engineering)

Time: 2 Hours Max. Marks: 75

## **Answer any Five Questions All Questions Carry Equal Marks**

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1.	Discuss in detail the following morphologia) Erosion b) Dilation	ical operations:	[7+8]
2.a)	List various approaches used in Image enhancement and then discuss any one method of it.		•
b)	List and explain the fundamental steps in o	ligital image processing.	[7+8]
3.	Name different types of boundary track algorithm.	ring procedures, explain the	square tracing [15]
4.	Write a short note on followings: a) Fourier descriptors	b) Region descriptors.	[7+8]
5.a) b)	Distinguish Hough Transform and generalized Hough transform.  Discuss about the RANSAC for straight line detection.		[7+8]
6.a) b)	What is line detection, Explain the line detection by using HT? Discuss about accurate center location by using Hough transform.		[7+8]
7.a) b)	How to evaluate extracted shape descripto Explain about photometric stereo.	rs in 3D vision? Discuss.	[7+8]
8.a) b)	Discuss about combining views from mult Explain the identifying road signs in vehic	-	[7+8]

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