SUBJECT CODE NO:- P-8155
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Comp.Sci.& Engg.) Examination May/June 2017
Computer Vision
(Revised)

[Time:ThreeHours] **[Max Marks :80]**

Please check whether you have got the right question paper.

N.B
    i) Solve any two questions from each section
    ii) Assume suitable data if necessary and state it clearly

Section A

Q.1	a)	Explain correspondence between filtering in spatial and frequency domain	10
	b)	Elaborate 3D graph based segmentation technique in detail	10
Q.2	a)	Discuss perception model with example	10
	b)	Explain the role of pattern recognition for computer vision. Explain the steps in design cycle of pattern recognition system	10
Q.3	a)	Describe the steps of linear discriminant analysis	10
	b)	How principle component analysis is useful for dimensionality reduction, justify	10

Section B

Q.4	a)	Explain the active appearance model in detail	10
	b)	Describe region based shape description methods	10
Q.5	a)	How scene reconstruction is done from multiple views using triangulation projective reconstruction and matching constrains	10
	b)	Explain the 3D vision tasks in detail	10
Q.6	a)	Explain the point distribution model.	10
	b)	What are interest points? How it is useful for motion detection.	10

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