Hall Ticket Number:

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	III/IV B.Tech (Supplementary) DEGREE EXAMINATION	_		
APRIL,2017 Information 7				
Sixth Semester Compute				
Tim	Maximum: 60) Marks		
Ansı	wer Question No.1 compulsorily. $(1X12 = 12)$	Marks)		
Answer ONE question from each unit. (4X12=48				
	nswer all questions (1X12=12			
a	What is assemble editing?	,		
b	Write the code the for control track editing by SMPTE			
c	Write the principles of computer animation.			
d	Define degrees of freedom			
e	Write about forward differencing			
f	Define compound Transformations			
g	What is Recursive Subdivision?			
h	Name the 3D Shape Interpolation techniques.			
i	What is Feature-Based Morphing?			
j	Name the variants of Animation Languages.			
k	What is Perspective Divide?			
1	Name the rendering issues.			
	$\mathbf{UNIT} - \mathbf{I}$			
2.a	Write about geometric computations and numerical Integration Techniques	6M		
2.b	Write about implementation of Interpolation between representations (A1, 1) & (A2, 2) -angle, axis.	6M		
3.a	(OR) Explain about computer enimation Production tasks	6M		
3.b	Explain about computer animation Production tasks Write about Basic Transformations and Ortho normalization	6M		
3.0	White about Basic Transformations and Ortho normalization	OIVI		
	UNIT – II			
4.a	Write about Transformations of display pipeline used to bring the object into screen space	6M		
4.b	Write about fixed and Euler angle representations used to show orientation.	6M		
	(OR)			
5.a	Write about digital Editing (linear & non linear) in detail	6M		
5.b	Write about Quaternion used to represent rotations in detail.	6M		
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6.0	UNIT – III	cM.		
6.a	Write about various techniques to compute arc length in controlling motion along a curve	6M		
6.b	Write about Interpolation of Rotations Represented by Quaternion and Camera Path Following	6M		
	(OR)			
7.a	Write about Graphical Languages used to represent an animation by a dataflow network	6M		
7.b	Write about Coordinate Grid Approach used in Morphing (2D) and Axial Slices in Morphing (3D)	6M		
	$\mathbf{UNIT} - \mathbf{IV}$			
8.a	Write about various Approaches to Animating the Face	6M		
8.b	Write about the Mechanics of Locomotion in walking	6M		
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	(OR)			
9.a	Write about Modeling the Arm, The Hand, The Shoulder Joint in Reaching and Grasping	6M		
9.b	Write about Compositing with and without Pixel Depth Information in combining image layers.	6M		