Name:				
Enrolment No:				
	UNIVERSITY OF PETROLEUM AN	D ENERGY STUDIES		
	End Semester Examination, N			
Programme Name : B.Tech CS (GG) Semeste				
Course Name: Computer Animation Algorithm and TechniquesTimeCourse Code: CSEG 340Max. M		ques lime : Max. Marks :	: 03 hrs arks : 100	
	Page(s) : 2		100	
	ctions: Attempt each question with suitable diagrammatic	representation of concepts.		
	SECTION A			
S. No.		Marl	cs CO	
Q 1	What are the functions of crowd control department in computer animation production?		C01	
Q 2	How can we apply Visualization to represent relationship between temperature and location inside a map?		СОЗ	
Q 3	Why it is important to learn modeling and animating human figures separately from other conventional animations.		CO3	
Q 4	Construct a scenario where we can apply the concept of "path following."		CO4	
Q 5	 Write the name of one animation movie/series which belong a. 3d b. 2d c. Hand drawn d. Stop Motion 	g to the given genera: 4	CO3	
	SECTION B			
Q 6	<i>"Physically based animation is an essential part of the char</i> Comment on the given statement, with the example of Physice techniques. OR	ically based animation	CO4	
		lain data representation and various types of data representations. Using imetric data representations, design an algorithm to convert cube to cylinder and alize it both in longitudinal and transverse views.		
Q 7	Name the two concepts that are used as explanation for the explain how Motion perception is related by these two conc		CO4	
Q 8	Define "Secondary Action" in "Principles of Animation." A be used for the improvement in "Anticipation" with one example.		CO3	

Q 9	Describe the usage of various GUI elements with graphical representation and terminologies.	10	CO1		
	SECTION-C				
Q 10	Explain in detail what is Procedural animation with diagrams. Write down, pointwise, the requirement of the system and where it can be applied.		CO1		
Q 11	Describe the significance of principles of animation in conventional film making. Also explain the drawbacks of each principle separately with examples. OR Compare and contrast computer animation production and conventional film making stages. Also mention why some stages of computer animation production can be ignored in conventional film making.	20	CO4		

Name: Enrolm	ent No.	UPES				
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES						
End Semester Examination, March 2019 Programme Name : B.Tech CS (GG) Semester : VI Course Name : Computer Animation Algorithm and Techniques Time : 03 hrs Course Code : CSEG 340 Max. Marks : 100 Nos. of page(s) : 2 Instructions: Attempt each question with suitable diagrammatic representation of concepts. SECTION A				hrs		
S. No.			Marks	CO		
Q 1	What are the functions of editorial department	t in computer animation production?	4	C01		
Q 2	How can we apply Visualization to represent relationship between Heights (from of Ocean level) and location inside a map?		of 4	CO3		
Q 3	Why it is important to learn modeling and animating human figures separately from other conventional animations?		om 4	CO3		
Q 4	Construct a scenario where we can apply the concept of "Flocking."		4	CO4		
Q 5	Diagrammatically explain the following term a. Image Wrapping b. Image Morphing	s/phrases:	4	CO3		
	SEC	CTION B		1		
Q 6	Write an algorithm to simulate fluid flow in different situations: a) Inside a pipe b) In a river OR Explain data representation and various types of data representations. Using volumetric data representations, design an algorithm to convert cube to cylinder and visualize it both in longitudinal and transverse views.			CO4		
Q 7	Name the two concepts that are used as expla explain how Motion perception is related by		o 10	CO4		
Q 8	Define "Exaggeration" in "Principles of An used for the improvement in "Staging" with a		be 10	CO3		
Q 9	Describe the usage of various GUI elements terminologies.	with graphical representation and	10	C01		

	SECTION-C				
Q 10	Describe the significance of principles of animation in conventional film making, also explain the drawbacks of each principle separately with examples.	20	CO1		
Q 11	 Explain in detail what is Procedural animation with diagrams. Write down, pointwise, the requirements of the system where it can be applied. OR Explain data Representation and various types of data representations. Using volumetric data representations write an algorithm to convert cube to cylinder and visualize it both in longitudinal and transverse views. 		CO4		