

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION SEMESTER II SESI 2017/2018

COURSE NAME

: 3D MODELING

COURSE CODE

: BBU 30203

PROGRAM CODE : BBF

EXAMINATION DATE : JUN / JULY 2018

DURATION

: 3 HOURS

INSTRUCTION

: ANSWER ALL QUESTIONS.



THIS EXAMINATION PAPER CONTAINS THREE (3) PAGES

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Q1	(a)	 Discuss factors that contribute to the emerging of Virtual Reality in 198 1990s. 	
		(6 mar	ks)
	(b)	In what scenarios, polygons are usually used to design 3D environment. (6 mar	ks)
	(c)	Elaborate the following primitive objects and draw a diagram to support y elaboration. (i) Box (ii) Teapot (iii) Cone (iv) Geosphere	
		(8 mar	ks)
Q2	(a)	What is the difference to convert an object using Editable Patch and Edit I Modifier	
		(8 mar	ks)
	(b)	Elaborate step by step procedure to assign materials on an object in t scene.	
		(6 mar	·ks)
	(c)	What are the two (2) types of lighting that typically used in 3D Studio Max and give examples in the discussion?	
		(6 mar	ks)
Q3	(a)	What elements that are typically involved to render an object in the 3D sca (3 mar	
	(b)	Discuss the following Common Rendering Panels (CRP) (i) CRP Time output (ii) CRP Output Size (iii) CRP Options (iv) CRP Time Output	
		(3 mar	rks)
	(c)	Discuss what are the additional antialising process that 3D designers can Improve image quality in 3D scene?	
		(8 mar	rks)
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- Q4 (a) Discuss the role of camera objects in 3D Std Max? (4 marks)
 - (b) Draw a diagram and elaborate a step by step procedure in creating a target camera in 3D scene.

(10 marks)

- (c) Discuss what is the viewing effect if the orthographic projection is ON or Off (6 marks)
- Q5 (a) Give six (6) elements that can be used to animate an object in the 3D scene. (3 marks)
 - (b) Discuss what is keyframe and its role in 3D Studio Max. (5 marks)
 - (c) In order to help Ahmad to animate a dinosaur in 3D scene, elaborate step by step procedure to set up the animation by using a key frames.

 (12 marks)

-END OF QUESTION-

