

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION **SEMESTER I SESSION 2019/2020**

COURSE NAME : 3D MODELLING

COURSE CODE : BBU 30203

PROGRAMME CODE : BBF

EXAMINATION DATE : DECEMBER 2019 / JANUARY 2020

DURATION

: 3 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

THIS EXAMINATION PAPER CONSISTS OF THREE (3) PAGES

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definition of 3D Modeling. (2 marks)	Q 1 (a)	Q1
e the following type of splines and draw a diagram to support your and explain the function in 3D modelling.	(b)	
ier Splines RBS (Non-Uniform Rational B-Spline) (8 marks)		
ct can be created by using primitive objects in 3ds Max, Elaborate five itive objects that you used in 3ds Max.	(c)	
(10 marks)		
te the role of camera objects in 3ds Max. (4 marks)	Q2 (a)	Q2
the differences between Target Camera and Free Camera in 3ds Max. (6 marks)	(b)	
diagram and elaborate step by step procedure in creating a target camera tene and how to change the view from camera in 3ds Max. (10 marks)	(c)	
e important of lighting in 3D modeling. (2 marks)	Q3 (a)	Q3
three (3) basic component of light. (6 marks)	(b)	
the following terms about lighting in 3ds Max. Draw an image to e your answer.	(c)	
Default Light Ambient Light Spot Light Omni Light (12 marks)		

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Give six (6) elements that can be used to animate an object in the 3D scene. $\mathbf{Q4}$ (a) (3 marks) Discuss what is key frame and its role in 3ds Max. (b) (5 marks) In order to help Ali to animate a ball in 3D scene, elaborate step by step (c) procedure to set up the animation by using a key frames (12 marks) What is rendering process in 3D scene? Q5 (a) (2 marks) Discuss the following common parameters to be setup in Common tab Render (b) Setup panel. Time Output (i) Output Size (ii) (iii) Option (6 marks) (c) Elaborate step by step procedure to assign materials on an object in the 3D

scene. (6 marks)

Mapping is term used to describe applying textures to material. Explain three (d) (3) texture map that can be used (6 marks)

-END OF QUESTIONS-

