

The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Electrical & Computer Engineering



Study Programme : Diploma in Information Systems and Technology
Name of the Examination : Final Examination
Course Code and Title : EEI3368/ECI3168 Graphics and Interactive Multimedia
Design [Theory]
Academic Year : 2017/18
Date : 8th February 2019
Time : 09:30-11:30 hrs
Duration : 2 hours

General Instructions

1. Read all instructions carefully before answering the questions.
 2. This question paper consists of Two (2) questions in Two (2) pages.
 3. Answer ALL questions.
 4. Answer for each question should commence from a new page.
 5. This is a Closed Book Test (CBT).
 6. Answers should be in clear hand writing.
 7. Do not use Red colour pen.
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Answer all the Questions

- Question 1: Discuss the differences between Media and Multimedia (08 marks)
- Question 2: Explain colour theory (15 marks)
- Question 3: List and explain the key comparison modes. (10 marks)
- Question 4: Explain Image processing techniques (point out each step). (15 marks)
- Question 5: Describe Resolution including the type of resolution. (10 marks)
- Question 6: Briefly explain the following terms:
- a) Primitives (02 marks)
 - b) Steps to Extrude (02 marks)
 - c) Steps to subdivide the surface (02 marks)
 - d) Process of Animation (02 marks)
 - e) Lossless and Lossy (02 marks)
- Question 7: Explain how to create a Post card. (10 marks)
- Question 8: Explain the 12 principles of the animation (12 marks)
- Question 9: Explain the following:
- a) How to do Chroma key (05 marks)
 - b) How to do Texture Mapping in 3D? (05 marks)