

Unit 10 - Week 8: Graphics Hardware and Software

Course outline

How does an NPTEL online course work?

Week 0: Prerequisite

Week 1 : Introduction

Week 2: Object Representation

Week 3: Modeling Transformation

Week 4 : Lighting

Week 5: Viewing Pipeline

Week 6: Clipping & Hidden Surface Removal

Week 7: Scan Conversion

Week 8: Graphics Hardware and Software

Lec 29: Graphics I/O Devices

Lec 30: Introduction to GPU and Shaders

Lec 31: Programming with OpenGL

Lec Conc : Concluding remarks

Quiz : Assignment 8

Feedback form

Solution: Assignment 8

Live Session

Text Transcripts

Assignment 8

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-11-11, 23:59 IST.

1) All flat panel displays are emissive displays.

1 point

- a. True
 b. False

No, the answer is incorrect.
Score: 0

Accepted Answers:
b. False

2) Laser printers are example of

1 point

- a. impact printer
 b. non-impact printer

No, the answer is incorrect.
Score: 0

Accepted Answers:
b. non-impact printer

3) GPU at any instant can process a subset of all the screen pixel positions. This is called as

1 point

- a. sub shader
 b. fragment shader
 c. pixel shader
 d. grid shader

No, the answer is incorrect.
Score: 0

Accepted Answers:
b. fragment shader

4) Which among the following is not an example of General Programming Package for computer graphics?

1 point

- a. OpenGL
 b. VRML
 c. Java 3D
 d. None of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
d. None of these

5) Frame buffer content may change depending on input from input devices.

1 point

- a. True
 b. False

No, the answer is incorrect.
Score: 0

Accepted Answers:
a. True

6) Instead of pen, ink-jet technology is also used to design plotters

1 point

- a. True
 b. False

No, the answer is incorrect.
Score: 0

Accepted Answers:
a. True

7) Each core in a multicore GPU is called a _____ processor. (fill in the blank)

Hint

No, the answer is incorrect.
Score: 0

Accepted Answers:
(Type: String) stream

1 point

8) Multiple cores of a GPU are grouped together to form streaming _____. (Fill in the blanks)

Hint

No, the answer is incorrect.
Score: 0

Accepted Answers:
(Type: String) multiprocessor
(Type: String) multiprocessors

1 point

9) What GLUT stands for?

1 point

- a. OpenGL Utility Toolkit
 b. OpenGL Useful Tools
 c. OpenGL Utility Techniques.

No, the answer is incorrect.
Score: 0

Accepted Answers:
a. OpenGL Utility Toolkit

10) Each OpenGL library function is prefixed with "glut".

1 point

- a. True
 b. False

No, the answer is incorrect.
Score: 0

Accepted Answers:
b. False