

INFORMATION COMMUNICATION TECHNOLOGY

G.C.E. Advanced Level

Lesson End Test

Duration: 90 minutes

Answer All Questions

1. What do you understand by Multimedia?
2. What are the advantages of using Multimedia techniques for communications.
3. What are the areas of using computer graphics? (Give 8 areas)
4. What is a Pixel?
5. What is resolution?
6. What is the difference between Vector graphics & Raster Graphics?
7. Write examples for Raster Application software & Vector application software.
8. What is most suitable for photo editing from raster & vector?
9. What are the facts can cause for increasing the size of an image file?
10. What is anti-aliasing?
11. Do you agreed with following two statements?
Discuss the validity of each of them
 - I. “The same image will occupy a different size on screen , if viewed on a screen of different size “
 - II. “The same image will occupy a different size on screen if viewed on the same screen at a different screen resolution setting”
12. Find three raster file formats and three vector file formats use in computer graphics.(List)
13. Identify graphic file formats which are suitable for
 - I. Web pages
 - II. Mobile applications
 - III. Final outputs ready for printing
14. What are the types of color Modes? Briefly explain. (quality/applications).
15. Explain how dithering and anti-aliasing are useful in computer graphics.
16. Computer screen emulates colours by lighting pixels. This process is done different ways in CRT and LCD monitors. Describe briefly how CRT and LCD monitors work.
17. A 32 bit color image of 800x600 is saved on a disk.
 - I. What is the size of the image?
 - II. Give a method which can be used to reduce the file size ?
18. Discuss the difference between lossy and lossless compression.
19. What are the three types of mice?

20. What are the 5 components of a Mechanical mice and briefly explain each of their function.
21. What are the advantages of Optical mouse over mechanical?
22. What are the interfaces of mouse? Draw each interface. (you should mention the shape and the number of connectors correctly)
23. What are the other graphic input devices and write two applications of each device?
24. Fill in blanks of following tables by identifying functions of each key or combination of keys.
(keyboard short cuts)

Key Combination	Resulting Action
Win+M	
Win+R	
Shift+Win+M	
Win+F1	
Win+Tab	
Win+Break	
Win+F	
F2	
Alt+F4	
Ctrl+X	
F5	
F1	
F11	
Esc	
Prt Scr	
Home	
Enter	
Ctrl	
Alt	
Backspace	
Del	
Windows	
Application key	
Insert	
Ctrl+Alt+Del	

25. Fill the following table according to the printer categories.

Printer	Category	Cost (not the initial cost)	Quality	Application
Laser				
Dot Matrix				
Ink-jet				
Thermal				
Plotters				
Daisy wheel				