# BCA 6th Sem.

## Computer Graphics and Multimedia Applications

1. What is computer graphics?
2. Write the important applications of computer graphic?
3. What are the raster and vector graphics?
4. Write the difference between vector and raster graphics?
5. What is key frame?
6. Define pixel.
7. What is scaling in computer graphics?
8. How does resolution of a monitor affect its picture?
9. What are the hardware devices used for computer graphics?
10. What are the features of inkjet printers?
11. What is meant by scan code?
12. Define Random and Raster scan displays?
13. How many types of video compressions?
14. Which image files are a lossy format?
15. Expand JPEG
16. Expand GIF
17. Define primary colors.
18. Types of computer graphics?
19. What is meant by refreshing of the screen?
20. List out the merits and demerits of DVST
21. What do you mean by emissive and non-emissive displays?
22. List out the merits and demerits of Plasma panel display.
23. What is persistence?
24. What is resolution?
25. What is a dot size?
26. What is the difference between impact and non-impact printers?
27. What are the features of Inkjet printers?
28. What are the advantages of laser printer?
29. What is run length encoding?
30. What is point in the computer graphics system?
31. Define Circle
32. Define polygon.
33. Define line.
34. Explain in detail about video display devices.
35. Explain in detail about raster and random scan systems.
36. Explain in detail about graphics input devices.
37. Explain color CRT monitors
38. Write short notes on video controller.
39. Write notes on Graphics controller?
40. List out a few attributes of output primitives?
41. Write down any two line attributes.

42. What do you mean by a Multimedia platform? Explain various multimedia platform and development tools.

43. Write and explain the various components of Multimedia.

44. Explain about the tools available in Macromedia Director Software used to create Multimedia presentation.

45. Explain Audio File Format in multimedia.

46. What is Multimedia in Real World? Explain its applications of Multimedia.

47. What is the role of Multimedia in Training and Education?

48. What is Macromedia Director.? Explain at least six tools available in it.

49. What is Photoshop? Explain its features and tools of Photoshop.

50. Explain the working of the following C functions used in graphics programming with proper arguments:

(a) Arc      (b) circle      (c) ellipse      (d) line      (e) setcolor      (f)bar

51. Write short notes on Video display devices.

52. What is LCD? Explain its components and working of LCD.

53. What is the main components of CRT Monitor.?

54. Discuss the general working of optical character recognition software.

# BCA 6$^{th}$ Sem

## Programming with VB.NET

1. What do you mean by .NET Framework?
2. Explain the architecture of .NET Framework.
3. What do you mean by garbage collection?
4. What is common language runtime? How it implements a program?
5. What are various features of .NET IDE?
6. What do you mean by methods?
7. What is menu? How it works?
8. How can you set the background of a form?
9. Give a brief introduction to VB.NET.
10. Define Module.
11. Explain various primitive data types with example.
12. What is variable and constant?
13. What is the difference between comparison and logical operators?
14. Explain various input output methods in VB.NET.
15. What do you mean by operator precedence in vb.net?
16. Explain various flow control statements in VB.net.
17. Explain looping statements in VB.NET.
18. What is the difference between while and do- while ?'
19. Write a program to create a Fibonacci series.
20. What is the syntax of select case and give is example.
21. What is the purpose of Dim statement in VB.NET?
22. What is the purpose of Function statement in VB.NET?
23. What do you mean by procedure? What are the benefits of it?
24. What do you mean by a subroutine?
25. What do you mean by parameters?
26. Explain MsgBOX Function with Syntax.
27. What is the difference between function and subroutine?
28. What are event procedures?
29. Give introduction to arrays? Why do we need arrays?
30. What is For Next Statement?
31. Write a program to sort a list of 10 elements.
32. What is difference between TRIM and RTRIM.

33. Write a program to add two matrices.
34. What is the role of loop statements in arrays?
35. What is the use of menuStrip?
36. What is the use of ToolStrip Control?
37. What do you mean by connected data access?
38. What are the features of ADO.NET?
39. How ADO.NET changes from ADO?
40. What is data set? How can we manipulate data set?
41. What is a Design view? How can we work with Design View?
42. What is data table ? How can we operate with data table?
43. How can you set a startup manu?
44. Explain control array with the help of example.
45. Explain two two dimensional Array in detail.
46. What is Radio Button?
47. What do you mean by outlining?
48. What is the use of property window?
49. What is String? Explain various string Functions.
50. Define data providers.