

AR - 618

Sixth Semester B. Sc. (Final) Examination

**COMPUTER APPLICATION /
INFORMATION TECHNOLOGY**

6S : Computer Graphics, Multimedia and Animation

P. Pages : 5

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) All questions are compulsory.
(2) Assume suitable data wherever necessary.
(3) Illustrate your answer wherever necessary with the help of neat sketches.
(4) Que. 1 is compulsory and carries 8 marks other questions carry 12 marks.

1. (A) Fill in the blanks :—

- (i) Scanner is an _____ device.
(ii) _____ image consist of two colour i.e. black and white.
(iii) _____ is nothing but moving objects.
(iv) _____ allows to make changes in image graphics or video. 2

(B) Choose the correct alternative :—

- (i) _____ is an output device.
(a) CRT (b) Mouse

AR - 618

P.T.O.

(c) Track ball (d) Light pen

(ii) ——— is the type of transformation.

(a) Translation (b) Scaling.

(c) Rotation (d) All of the
above.

(iii) ——— is not valid file format.

(a) JPEG (b) PNG

(c) TIFF (d) EXEL

(iv) ——— is used to reduce the size
of file.

(a) Coding

(b) Decoding

(c) Compression

(d) Decompression.

2

(C) Answer in **one** sentence :—

(i) What is PDF ?

(ii) What is SGML ?

(iii) What is VCR ?

(iv) What is pixel ?

4

2. (A) What are virtual reality system ? Explain. 6

(B) State and explain input devices used in graphics system. 6

OR

3. (A) Explain :—

(i) Voice system.

(ii) CRT. 6

(B) What is Raster Scan display ? Explain. 6

4. (A) State and explain DDA algorithm. 6

(B) Explain :—

(i) Frame buffer.

(ii) Gray scale. 6

OR

5. (A) State and explain Bresenham's line algorithm. 6

(B) How circle is generated in graphics ? Explain. 6

6. (A) What is composite transformation ? Explain. 6
(B) What is Area file attributes ? Explain. 6

OR

7. (A) What is transformation ? State and explain its need in graphics. 6
(B) What is rotation transformation ? Explain. 6
8. (A) What is Hyper Media ? Explain. 6
(B) What are different file format's used in Image graphics ? Explain. 6

OR

9. (A) Explain :—
(i) WMF. (ii) BMP. 6
(B) What is Image Editing ? State and explain different tools used for Image Editing. 6

10. (A) What is Hypertext ? Explain. 6

(B) Explain :—

(i) CCD. (ii) SGML. 6

OR

11. (A) What is Compression ? Explain. 6

(B) What are VR devices ? Explain. 6

12. (A) What is animation ? Explain. 6

(B) Explain different tools used for animation. 6

OR

13. (A) What is sketching in animation ? Explain. 6

(B) What is tweening ? State and explain its types. 6



