



R-1892

Third Year B. C. A. (Sem. VI) Examination
February – 2010
Computer Graphics (601)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशावैध निशान्चीवाणी विगतो उत्तरवडी पर अवश्य लभवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
T. Y. B. C. A. (Sem. 6)

Name of the Subject :
Computer Graphics (601)

Subject Code No. : 1 8 9 2 Section No. (1, 2, ...): Nil

Seat No. :

Student's Signature

- (2) All questions are compulsory.
(3) Marks are indicated to the right side of question.

1 Answer followings : 10

- (a) Name any five hard copy graphics devices.
(b) What is slope of line?
(c) Define major axis of ellipse.
(d) What is frame Buffer?
(e) What is line caps?

2 (a) Explain various computer display devices. 7

(b) Differentiate pixel graphics and vector graphics. 6

OR

(b) Discuss various applications of computer graphics.' 6

(c) Which are the possible slope values of line? 4

OR

(c) Define circle and ellipse. What is difference between them? 4

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[Contd...

3 (a) Explain Vecgen algorithm. 7

OR

- (a) Discuss Brasenham line drawing algorithm. 6
(b) Explain Brasenham circle drawing algorithm. 6
(c) Which are various Pens and Brushes? 4

OR

(c) What is anti-aliasing?

4 (a) Explain methods used to check whether the point is inside or outside the polygon. 7

(b) Explain the Scaling method. 6

OR

- (b) Discuss Rotation method.
(c) Define windowing. Describe it. 4

OR

(c) Explain clipping process.

5 Answer following : (any three) 9

- (a) Simple line clipping
(b) Shearing
(c) Reflection
(d) Translation
(e) Flood fill method.
