



R-1892-R

Third Year B. C. A. (Sem. VI) Examination

February – 2010

Computer Graphics (601)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशविक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी.
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. :
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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

- 3 (a) Explain Vecgen algorithm. 7
- OR**
- (a) Discuss Brasenham line drawing algorithm.
- (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.
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