

5E3162-T

Roll No. : _____

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B. Tech. (Sem. V) (Back) Examination, December - 2011
Computer Science
5CS4 Computer Graphics

Time : 3 Hours]

[Maximum Marks : 80
[Min. Passing Marks : 24

Instructions to Candidates :

Attempt any five questions selecting one question from each unit. All questions carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)

1. _____ NIL _____ 2. _____ NIL _____

UNIT - I

- 1 (a) A screen has 1024 scan lines with aspect ratio 4 : 3 and bit-depth 24, what is resolution of the screen and size of the frame buffer. 10
- (b) Explain Raster-scan graphics system. 6

OR

- 1 (a) What is frame buffer ? A frame buffer has a size 1024×1024 with 10 bits per pixel, compute the time required to load it, if transfer rate is 10 bits per sec. 10
- (b) Explain followings :
- (i) Anti-aliasing techniques
- (ii) Rubber band techniques 6