Total No. of Questions-8] Seat

[Total No. of Printed Pages—2

N.B. :- All questions are compulsory ယ N Time: Two Hours (b) (b) (a) (b) (a) 0 (a) SE Explain the following graphics primitives: Explain boundary fill algorithm for polygon.

Perform a 45° -----Explain flat panel displays in detail Explain Bresenham's line drawing algorithm. Using Bresenham's (ii) Light Pen (i)(Comp.) (Second Semester) EXAMINATION, 2017 Explain with suitable diagram concave and convex polygons. generation algorithm. What is antialiasing? How aliasing effect is removed in vector algorithm to draw a line from (1, 1) to (5, 3). Perform a 45° rotation of a triangle A(0, 0), C(5, 2) about the origin. COMPUTER GRAPHICS AND GAMING Tablets (2012 PATTERN) Maximum Marks: 50 [5252]-169B(l, l) and 6 2 6 6 6 4 6

> 4. 6 OT (a) (b) (a) (b) (a) 6 Explain Sutherland-Hodgman algorithm for polygon clipping. Write short notes on : Explain Warnock's Algorithm Explain Koch curve in detail giving fractal dimension. Explain how binary space partition algorithm be used for Describe Scaling w.r.t. 2D transformation removal of hidden surfaces. Ray-tracing 112017093833

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8

[6] 7 4 00

(b)

0

7

(a)

Transparency

(a) Explain link list data structure to represent a display file. [5]

00

(b) Write a short note on Animation Languages

(c) What is morphing? Give applications of Morphing.

> 4 [4]