



C09-IT-606 A

3778

BOARD DIPLOMA EXAMINATION, (C-09)
APRIL/MAY—2015
DIT—SIXTH SEMESTER EXAMINATION
COMPUTER GRAPHICS

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What is meant by raster graphic system?
2. What is meant by vector refresher?
3. What is meant by shear transformation?
4. What is an inverse transformation?
5. Write the algorithms for deleting a segment.
6. Write about segment table.
7. Write about windowing and clipping.

- * 8. What is the multiple windowing?
- 9. Write about 3D primitives.
- 10. Write about parallel projection.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11. Explain DDA algorithm with example.
- 12. Explain about polygon inside test.
- 13. Explain homogeneous coordinates and translation.
- 14. Explain about other display file structure.
- 15. Explain viewing transformation implementation.
- 16. Explain the Cohen-Sutherland outcode algorithm.
- 17. Explain about hardware devices used in the interaction.
- * 18. Explain rotation about an arbitrary axis.
