



C14-IT-602

4755

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2018
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. State the raster graphic system.
2. Define polygon.
3. Define transformation.
4. Write briefly about display procedures.
5. Define segment.
6. Write briefly how to close a segment.
7. Write briefly about clipping.

- * 8. Write briefly about multiple windowing.
- 9. Define interaction.
- 10. Write briefly about 3D primitives.

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 about normalized screen coordinates.
- 12. Explain how to fill polygons.
- 13. Explain about transformation routines.
- 14. Explain about segment table.
- 15. Explain about viewing transformation implementation.
- 16. Explain Sutherland-Hodgman algorithm.
- * 17. Explain the hardware devices used in the interaction.
- 18. Explain about 3D transformation.
