

**MCA DEGREE EXAMINATIONS: DEC 2014**

(Regulation 2013)

Second Semester

**MASTER OF COMPUTER APPLICATIONS**

P13CAT202: Computer Graphics and Multimedia Systems

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 2 = 10 Marks)**

1. What is meant by resolution?
2. List out the merits and demerits of DVST.
3. What do you mean by rotation?
4. What is the need of homogeneous coordinates?
5. Define projection reference point.
6. What is RGB color model?
7. Write the uses of Multimedia.
8. List out the components of MIDI interface.
9. What is Group Communication?
10. What is Animation?

**Answer any FIVE Questions:-**

**PART B (5 x 16 = 80 Marks)**

**Q.No:11 is Compulsory**

11. (i) Describe the Color CRT. (8)  
(ii) Explain in detail about Cohen- Sutherland Line Clipping algorithm. (8)
12. (i) Explain in detail about basic 2D transformation techniques. (8)  
(ii) Explain spline curve in detail. (8)
13. (i) Describe the concept of Depth Buffer method. (8)  
(ii) Explain parallel projection in detail. (8)

14. (i) Discuss about MIDI with an example. (8)  
(ii) Explain the uses of multimedia. (8)
15. (i) Explain in detail about different audio formats. (8)  
(ii) Explain the steps involved in creating a simple animation in flash. (8)

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