**M S Ramaiah Institute of Technology**

**Department of Information Science and Engineering**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term:** | 22/01/2018 to 12/05/2018 | **Course Code:** | IS62C5 |
| **Course:** | Computer Graphics | **Semester:** | 6 |
| **CIE:** | Test-I | **Max Marks:** | 30 |
| **Date:** | 28/02/2018 | **Time:** | 2-3 PM |

**Portions for Test:** Lecture Nos. from 1 to 16 as per lesson plan

**Instructions to Candidates:** Answer any **Two** out of Three questions. **Mobile phones are banned**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Q.No | Questions | Marks | Bloom’s Level | **CO** |
| 1a. | Design a Graphics system pipeline as conceptual frame work. | 7 | Create | 2 |
| 1b. | Explain the working principle of Shadow mask CRT, with sketches. | 8 | Understand | 1 |
|  |  |  |  |  |
| 2a. | Write an algorithm to draw a circle using DDA/Polynomial/ Trigonometrical method. | 7 | Apply | 2 |
| 2b. | How Light pen works, explain with the help of Principle and script to locate the pointing device. | 8 | Apply | 1 |
|  |  |  |  |  |
| 3a. | Design a method to Display a Character which is not available in ASCII code. | 8 | Create | 1 |
| 3b. | Reflect the Diamond shaped polygon whose vertices are A(-1,0).  B(0,-2), C(1,0) and D(0,2) about y=x+2. | 7 | Analyze | 2 |