| 210 | 210 | 210 | 210 | 210 | 210 | 210 | |
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| | | | | | ation No : | Regis | |
| B.Tech | | | | 1 1 | or of Pages : 02 | d Miss | Tota |
| CS5I1021 | 210 P | 210 | 210 | 210 | er of Pages : 02 | 210 | TOL |
| | | | TER GRAPHIC ANCH: CSE Marks: 100 ne: 3 Hours DDE: HRB162 | COMP BF Ma Ti Q.C | | | Α |
| y 1440 ₂₁₀ | 210 | ny பகுரி irom P n indicate marks. | om Part-III. | f | uestion No.1 (Par The figu | swer | AII |
| | | | Part- I | | | | |
| (2 x 10) | | | scan systems. | n and random of DDA. | nly Short Answer T fferentiate raster sca st the disadvantages | a) b) | Q1 |
| 210 | 210 | | ortance of dither | lention the import transform | ention the importance hat is dither noise? It is dither noise? It is dither noise? It is dither the shear transform | <u>c)</u> d) e) f) | |
| | | | | s of animation | efine self-affine fracta rite the different type efine flat surface ren | g) h) i) | |
| 210 | 210 | 210 | 210 | 210 | hat is virtual reality? | j) 210 | |
| (6 x 8) | ut of Twelve) | swer Any Eight ou | | Answer Type | nly Focused-Short | 2.0 | Q2 |
| | , , | • | | | ustrate Bresenham's 5, 25). | a) | |
| | | | | and then rota | triangle has its vert ong –ve X –direction w vertex positions o | b) | |
| 21(| | B(4,1), C(4,3) and | ertices ² A(2,1), | matrix for ref window with | erive a transformation onsider the clipping ohen-Sutherland algo termediate steps). | d) d) | |
| | m by taking a | tep of this algorithi | . Explain each s | n fill algorithn | rite Scan line polygo iitable example. | e) | |
| | J | J | nd demerits. | lative merits a | efine aliasing. Ment chniques with their re | f) | |
| 210 | t to any fixed | mation with respec | scaling transforr | n matrix for a | erive a transformation oint (x _f , y _f , z _f). | g) 210 | |
| | different view | | | | hat is parallel projec anes. Derive a trans | h) | |
| | | | | | ake a classification gorithm is helpful sadvantages. | i) | |
| | reflection and | bient light, diffuse | (considering aml | ination model | escribe a basic illum ecular reflection). | j) | |
| | | | | | | | |

| 210 | | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
|-----|----|-----|---|--|--|--|-----------------|----------------------------|
| 210 | Q3 | 210 | Only Long Answer Typ Derive the incremental of Write the different step radius 4 cm and center lo | computation of some of | on which the mid-porithm. Use this alg | oint circle algo gorithm _o to drav | w a circle with | (16) 210 |
| | Q4 | | What is Bezier curve? V its properties. Derive Be. | | | | curve. Discuss | (16) |
| | Q5 | | Define perspective proj Discuss the special case | | | ection transfor | mation matrix. | (16) |
| 210 | Q6 | 210 | Explain the working of the a. Depth buffer b. A-buffer List out their relative adv | | | 210 | 210 | (16) ²¹⁰ |
| 210 | | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
| 210 | | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
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