| Name: <br> Enrolment No: |  |  |  |
| :---: | :---: | :---: | :---: |
| Course: Digital Photogrammetry <br> Program: B.Tech GIE <br> Course Code: PEGI 3001 |  | S <br> mester: <br> me <br> ax. Mar <br> some qu | hrs. <br> 00 |
| $\begin{gathered} \text { SECTION A } \\ \text { (5Qx4M=20Marks) } \end{gathered}$ |  |  |  |
| S. No. |  | Marks | CO |
| Q 1 | The area of a lake is $52.2 \mathrm{~cm}^{2}$ on a 1:7500 vertical photograph. Find the ground area of the lake. | 4 | CO1 |
| Q 2 | Define GCPs and check points | 4 | CO1 |
| Q 3 | Evaluate the key parameters of exterior orientations | 4 | CO1 |
| Q 4 | Explain the term image parallax | 4 | CO1 |
| Q 5 | Define relief displacement and its importance | 4 | CO1 |
| $\begin{gathered} \text { SECTION B } \\ (4 \mathrm{Q} \times 10 \mathrm{M}=40 \text { Marks }) \end{gathered}$ |  |  |  |
| Q 6 | Correlate ground coordinate system with image coordinate system with suitable sketch diagram | 10 | CO2 |
| Q 7 | Evaluate the relevance of exterior orientation with labelling on given figure below | 10 | CO2 |




|  | Evaluate in detail on various steps of orthorectification of images from <br> Pushbroom sensors |  |  |
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