## 20CE3302-SURVEYING



|  | computation of volumes. |  |
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| UNIT-5 Tria <br> Base <br> eleva <br> trian <br>  <br>  <br>  <br> Tota <br> EDM | gulation Surveying: <br> of the object accessible, base of an inclined object accessible, reduced level of the points with inaccessible bases, instrument axes at different levels, principle of ulation, purpose and classification of triangulation surveys, layout of triangulation. <br> Station \& GIS: <br> instruments, Total Station, Global Positioning System, GIS | CO5 |
| Learning Resources |  |  |
| Text Books | 1. B.C. Punmia, A.K. Jain, Arun Jain, Surveying I and II, 16/e, Lakshmi Publications, 2017. <br> 2. R. Subramanian, Surveying and Levelling, 2/e, Oxford University Press,2014. <br> D.G Charles, R.W. Paul, Elementary Surveying: An Introduction to Geomatics, 15/e, Prentice Hall,2018 |  |
| Reference Books | 1. S.K. Roy, Fundamentals of Surveying, 2/e, Prentice Hall of India, 2011. <br> 2. T.P. Kanetkar, Surveying and Levelling, Part I and II, 4/e, New Central Book Agency2012. |  |
| e-Resources\& other digital material | 1. https://nptel.ac.in/courses/105107122/ <br> 2. http://jntuk-coeerd.in/ |  |

