

**B.E/ B.Tech ( full time) DEGREE END SEMESSTER EXAMINATION , NOV / DEC 2012  
GEOINFORMATICS ENGINEERING BRANCH**

**SIXTH SEMESTER  
GEO 9354 PHOTOGRAMMETRY II**

TIME : 3 HRS

Max. Mark : 100

Part A ( 10 X 2 = 20)

1. List camera parameters that are important for inner orientation?
2. What is a net model?
3. What is the difference between stereo- and mono-plotting?
4. How is contour generated from DEM?
5. What is a Helmut transformation?
6. Enumerate various methods of triangulation
7. What is camera azimuth and its importance ?
8. What is different terrestrial cameras that are available?
9. Characterize an image.
10. Brief one methods of automatic fiducial mark identification ?

Part B ( 5 X 16 = 80)

11. i) Make an notes on Zeiss parallelogram. (6)
  - ii) Explain about block and strip adjustment for aero triangulation (10)
  12. a. Explain the procedure for inner, relative and absolute orientation. (OR)
  - b. What are various methods of auto image correlation?
  13. a. i) Describe an orthophoto and explain its generation from DEM (OR)
  - b. i) Make a detailed notes on the Independent Model Triangulation and polynomial strip adjustment
  14. a. i) Explain horizontal and vertical angles from terrestrial photographs and analytical determination of horizontal position (OR)
  - b. What are the different control consideration for terrestrial Photogrammetry?
  15. a. i) Make an elaborate notes on Automated surface modeling. (OR)
  - b. Explain various principle functional requirements and the hardware facilities for a Digital Photogrammetric Workstation.
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