



C14-MNG-505

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**4658**

**BOARD DIPLOMA EXAMINATION, (C-14)  
OCTOBER/NOVEMBER-2018  
DMNG-FIFTH SEMESTER EXAMINATION**

ADVANCED SURVEYING

Time : 3 Hours ]

[ Total Marks: 80

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**PART-A**

3X10=30

- Instructions :**
1. Answer **All** questions.
  2. Each question carries **Three** marks.
  3. Answer should be brief and straight to the point and shall not exceed five simple sentences.
1. State the basics of Surveying with Electronic instruments.
  2. List the different components of EDM instrument.
  3. State the various applications of remote sensing.
  4. State the scale related to remote sensing.
  5. State the causes or errors and corrections in GPS observations.
  6. Define the term “ Raster format of image”.
  7. List the applications of GPS in mining.
  8. Define the term “ Resection”.
  9. List the parts of total station.
  10. State the purpose of “Key In’ points in total station.

## PART-B

10X5=50

*Instructions* : \*

1. Answer any **Five** questions.
2. Each question carries **ten** marks.
3. Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer

11. Compare surveying using electronic instruments with conventional surveying.
12. Explain the principles propagation of Electromagnetic waves.
13. Explain about platforms & sensors used in remote sensing.
14. Explain the procedure for transformation of GPS results.
15. Explain the methods of entering the spatial & attribute data into computers.
16. Explain the procedure for measurement of distances between the given points using total station.
17. Explain the method of measuring height of remote object using “ Remote elevation’ method.
18. Explain the method of Stakeout line between the given two points.

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