



C14-MNG-305

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4270

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

MINE SURVEYING-I

Time : 3 Hours]

[Total Marks: 80

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. List the objectives of surveying.
2. List the common mistakes in measuring distances.
3. List the steps in chain surveying.
- * 4. Explain the term Reference sketch.
5. Define the terms (a) True Meridian (b) Magnetic Meridian.
6. List the reasons for local attraction.
7. List the objectives of levelling.
8. List the fundamental lines of dumpy level.
9. Define the term contour.
10. List the uses of contour for a mining engineer.

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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. Describe the method of direct ranging.
12. Define the terms (a) Base line (b) Check line (c) Tie line.
13. Describe the method of chaining where vision is obstructed but chaining is free.
14. State the parts of Prismatic compass with sketch.
15. Explain the terms (a) included angle (b) interior angle (c) exterior angle.
16. Explain the terms simple levelling, compound levelling.
17. Describe the profile levelling method with neat sketch.
18. Describe the direct method of contouring.

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