



C09-MNG-606B

3792

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH / APRIL - 2019

DMNG - VI SEMESTER EXAMINATION

ADVANCED SURVEYING

Time : 3 Hours]

[Total Marks : 80

PART - A

3×10=30

- Instructions :**
- (1) Answer **ALL** questions.
 - (2) Each question carries **THREE** marks.
 - (3) Answer should be brief and straight to the point.

- 1 State the principle of working of EDM instrument.
- 2 State the purpose of compensator in leveling Instrument,
- 3 List Various Electronic, Instruments used in Surveying.
- 4 State various applications of Remote sensing in Mining.
- 5 List various factors influencing the remote sensing pictures.
- 6 Define the term spacial Map.
- 7 Define the term digitization process.
- 8 State the principle of working of GPS.
- 9 State the function of clinometers.
- 10 State the applicable conditions of hand level instrument.

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[Contd...

PART - B

10×5=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 Explain the principle of working, applications, advantages and disadvantages using Gyrometer.
- 12 Explain the methods of measuring distances with Electronic Instruments.
- 13 Explain the effects of EMR (Electro Magnet Radiation) with atmosphere in remote sensing.
- 14 Explain the procedure to process remote sensing data.
- 15 Explain the procedure to transform the GPS results.
- 16 Explain the methods of entering the special and attribute data into computers.
- 17 Explain the function and working principle of Pentagraph.
- 18 Explain the procedure to calculate area of an irregular shape using pentagraph.