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☐ Total number of pages:[1]
Total number of questions:09

B.Tech. || ARCH|| 3rdSem
Surveying And Leveling
Subject Code: AR-307
Paper ID:

Max Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data

PART A (2×6)

- Q.1. a. Name the parts of dumpy level with neat diagrams?
b. What do you mean by contouring interval?
c. Mention the advantages and disadvantages of total station?
d. Equipments used in chain surveying?
e. Write uses of remote sensing?
f. Differentiate between surveyor compass and prismatic compass?

PART B (12x4)

- Q. 2 Define the base line and the methods to measure base line.

OR

How would you adjust the closing error of graphical method in Traversing?

- Q. 3.

- A) Explain the temporary adjustments of level.
B) What are the various methods of leveling? Explain one of them.

OR

- A) Explain working of various parts of Theodolite.
B) Describe the methods to measure the horizontal angle with Theodolite.

- Q. 4. What is contour gradient? Also write the characteristics of contour.

OR

- (A) Explain the working of Plani-meter.
(B) How would be compute the Areas from contour plans,

- Q. 5. (A) How GPS is used in our day to day life and especially for an architect in surveying the field.

- (B) Write the uses of aerial surveying

OR

What is remote sensing and Explain its methods?