

MCom. (Valuation) Sem.-1 Examination
Elementary Surveying & Engineering Drawing
January-2024

Time : 2-30 Hours]

[Max. Marks : 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figure to the right indicate full marks.

Q - 1 Describe how will you measure distance between two stations on fairly level ground? Describe with sketch how will you measure distance on sloping ground? 14

OR

Q - 1 What is difference between surveying and levelling? What is difference between plane surveying and geodetic surveying? 14

Q - 2 What is the principle of chain surveying? When it is recommended? When a chain survey becomes inconvenient? 14

OR

Q - 2 Explain radiation and intersection method of plane table surveying 14

Q - 3 What is orientation? What are the methods of orientation? Describe the method with a sketch. What are the advantage and disadvantage of plane table surveying? 14

OR

Q - 3 Describe dumpy level with sketch. What are different type of levelling staff? What is temporary adjustment in levelling? How it is done? 14

Q - 4 What are different methods of contouring? Describe any two method along with sketch. 14

OR

P.T.O

Q -4 What are the different types of levelling operation? What are the source of errors in levelling? What are the points to be remembered while entering records in a level book? 14

Q -5 Give short answers for the following questions(Any seven) 14

Define terms:

1. Contour line
2. Contour interval
3. Horizontal equivalent
4. Geodetic surveying
5. Differential Leveling
6. Principle of surveying
7. Mean sea level
8. Datum level
9. Reduced level