

807

Register No.:

November 2022

*Time - Three hours
(Maximum Marks: 100)*

- [N.B.]**
1. Answer all questions under Part-A each question carries 3 marks.
 2. Answer all the questions either (A) or (B) in Part-B each question carries 14 marks.]

PART - A

1. Define surveying and its principles.
2. What is open cross staff and French cross staff?
3. What is levelling staff and Mention the types of levelling staff?
4. What is meant by level surface and axis of telescope?
5. What is theodolite?
6. Define the terms face left and face right.
7. What is tachometer? What are the instruments used in tacheometry?
8. What is the main objective of tacheometric surveying?
9. State the applications of total station.
10. What are the settings and measurements in total station?

[Turn over.....

PART - B

11. (a) (i) Explain in detail about the classification of surveying.
(ii) Briefly explain about principles of surveying.

(Or)

- (b) (i) Explain in detail about direct ranging with neat sketch.
(ii) Explain in detail about indirect ranging.

12. (a) (i) What are the functions and accessories of level?
(ii) Describe quick setting and automatic level.

(Or)

- (b) Describe with neat sketch about dumpy level.

13. (a) Explain with neat sketch the component parts of transit theodolite.

(Or)

- (b) Explain in detail about temporary adjustments of theodolite.

14. (a) Describe in detail about principles of stadia method.

(Or)

- (b) Explain briefly the fixed hair method of tacheometric.

15. (a) List the various components parts of the total station. Explain.

(Or)

- (b) Explain the features of total station.
