Reg. No.:										
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## **Question Paper Code: 34016**

## B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Fourth Semester

Civil Engineering

01UCE406 - SURVEYING - II

(Regulation 2013)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions.

PART A -  $(10 \times 2 = 20 \text{ Marks})$ 

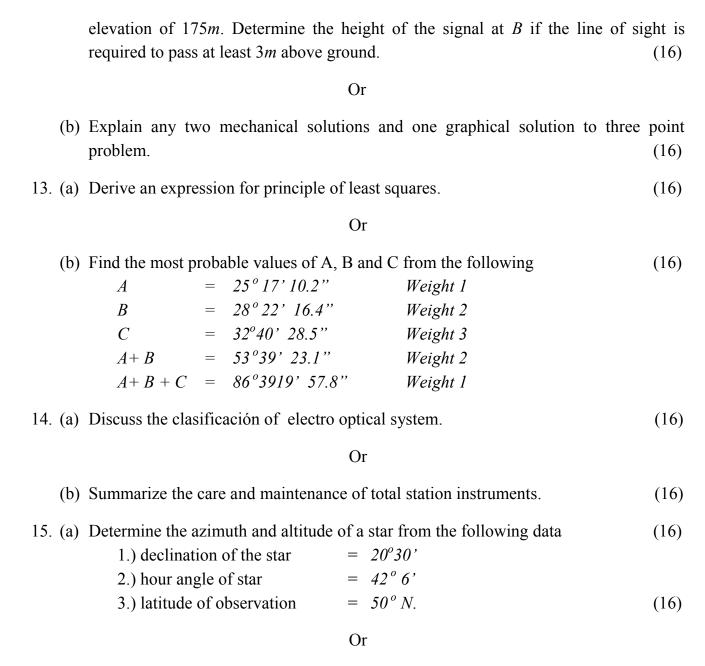
- 1. Explain the term degree of curve.
- 2. List out the different kinds of transition curves.
- 3. State the principle of signals used in triangulation.
- 4. Name the different corrections to be applied to length of a base line.
- 5. Define the terms probable error.
- 6. What is meant by most probable values?
- 7. Define scale.
- 8. What is an EDM?
- 9. What is azimuth?
- 10. Give the significance of MSL.

PART - B (5 x 
$$16 = 80 \text{ Marks}$$
)

11. (a) Explain with neat sketches the different types of horizontal curve. (16)

Or

- (b) Explain the different elements of a simple curve with neat sketch and brief on its notations. (16)
- 12. (a) Two triangulation stations A and B are 50km apart. The elevation of A is 205.5m and that of B is 232.2m. The intervening ground may be assumed to have a uniform



(b) Explain in detail any one method of finding the sounding.

(16)