

HOME ASSIGNMENT FOR INTERNAL ASSESSMENT

SUBJECT- ADVANCED SURVEYING , DCE-S4, F.M-20

ANSWER ANY TWO

i) (A) Explain the term degree of a curve.

(B) Derive a relation between the radius and degree of a curve.

(C) Two tangent PQ and QR intersect at a point Q at chainage 1000 m. Calculate all the necessary data for setting out a circular curve of radius 200 m and deflection angle 30° by the method of offset from the long chord. (1+2+7)

ii) (A) what is tacheometry? Describe the advantages of tacheometric surveying.

(B) Describe the principal of 'stadia method' of tacheometry with the help of a diagram.

(5+5)

iii) (A)

Line	Length (m)	Bearing
AB	100.00	?
BC	80.5	$140^\circ 30'$
CD	60.00	$220^\circ 30'$
DA	?	$310^\circ 15'$

Calculate the length of DA & bearing of AB.

(B) Give a brief description about the different sources of error in theodolite.

(7+3)

****** The answer script should be sent in the following GOOGLE CLASSROOM id with the signature of the student in all pages. Cover page must be attached with the answer script.

Room- 02 (Advanced Surveying)

Class code- 4ab3uk6

The original copy is to be submitted only when the the institution will open.

Last date of submission- 10/08/2020 (Monday) at 10:30 pm.

(Mr. Dipak Kumar Das)