Roll No. **Enrolment No.**

C.U SHAH COLLEGE OF ENGINEERING &TECHNOLOGY,WADHWAN

B.E all Semester – II Mid Semester Examination March-2009

Subject : ELEMENT OF CIVIL ENGINEERING

Date: 24/03/2009 **Time: 3:00 to 4:30 p.m.** **Max. Marks :40**

Instructions : 1> Attempt all questions.
2> Make Suitable assumption wherever necessary.
3> Figure to the right indicates full marks.

Que.1 (A) Explain types of building based on structure. **(05)**

(B) **Attempt any two.** **(10)**

1. Explain orientation of building
2. Draw layout of residential building.
3. Enlist & explain requirement of good building stone.

Que.2 (A) Draw neat sketch of the prismatic compass showing its parts **.** **(05)**

(B) **Attempt any two.** **(10)**

1. Explain the fundamental principles of surveying.

2 The distance between two locations was measured 500 m with steel tap standardized as 30m at 20 °C. The site temperature during survey was 30°C .Find the true distance between that two location .Take coefficient of expansion =0.0000115 /°C.

3. N.H.A.I has carried out chain survey of express way between A`bad & baroda with the use of 20 m chain. At A`bad chain was found errorless. At Anand it was found 20 cm too long. Again at baroda it was found 30 cm too long. Find the measured distance between A`bad & Baroda. If Anand & Baroda is actually 70&120 km far away from A`bad.

Que.3 Attempt any five **(10)**

1. Discuss any five duties of civil Engineer.
2. Explain roominess.
3. Convert the following F.B in to B.B
   (a) 300° (b) 269° (c) N 300° W (d) S 30° E
4. Explain the bar chart.
5. Enlist parts of the superstructure.
6. Classify the lime and explain any one in brief.
7. Write full form of following.
   (a) B.B.L.C. (b) G.L (c) F.S.I (d) W.C.