

**Apparent dip:** dip angle of a plane measured in vertical section oblique to the strike direction. It is always less than true dip.

### Finding apparent dip (calculation of app. dips for given true dip)

Problem: True dip of a fault is 28 toward west .Find the app. dip in the direction N47W.

### Procedure : (Fig. 1)

1. Plot the T.D.D. perpendicular to strike, and true dip amount (on one side of T.D.D.).
2. Plot the trend of the app. direction, in which a value of app. dip will measure.
3. Draw second strike line parallel to first strike line, provided that it passes through each of T.D.O. and direction of app.dip.
4. Measure distance CZ. .Subsequently from point B construct straight line perpendicular to the A.D.D on condition that the length of BY=H. Angle BOY , is apparent dip amount.

Exercise (1): Find app. dip amount in given direction and true dip.

### True dip

### directions of apparent dip

a- 036/34

1) 75

2) 334

b- N74W/30

1) N13W

2) S40W

(H.W.)

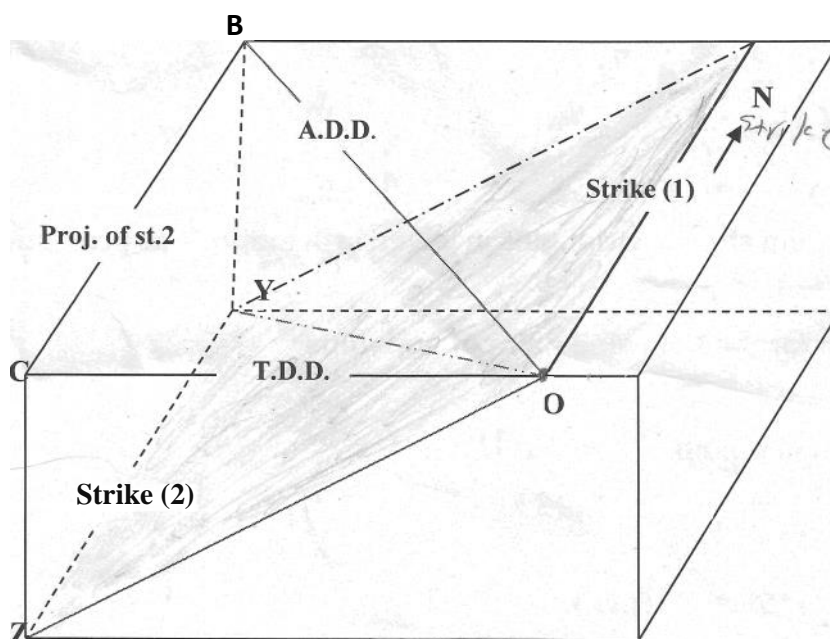


Figure 1: Block Diagram