

## **Guilford's Three Dimensional Theory or S.I. Model**

The propounder of his theory is famous psychologist J.P. Guilford. Though Guilford has constructed his theory with the help of factor analysis, yet his thinking is entirely different. According to him, the analysis of intelligence structure is tri-dimensional, that is, he has described intelligence structure on the basis of three fundamental mental abilities. These three mental abilities are :

1. Operations,
2. Contents, and
3. Products.

Due to these three fundamental mental abilities, Guilford's theory is called three-dimensional model of intelligence.

Guilford says that generally intelligence activities are of five types :

1. Divergent thinking
2. Convergent thinking
3. Cognitive meaning

4. Memory meaning

5. Evaluation

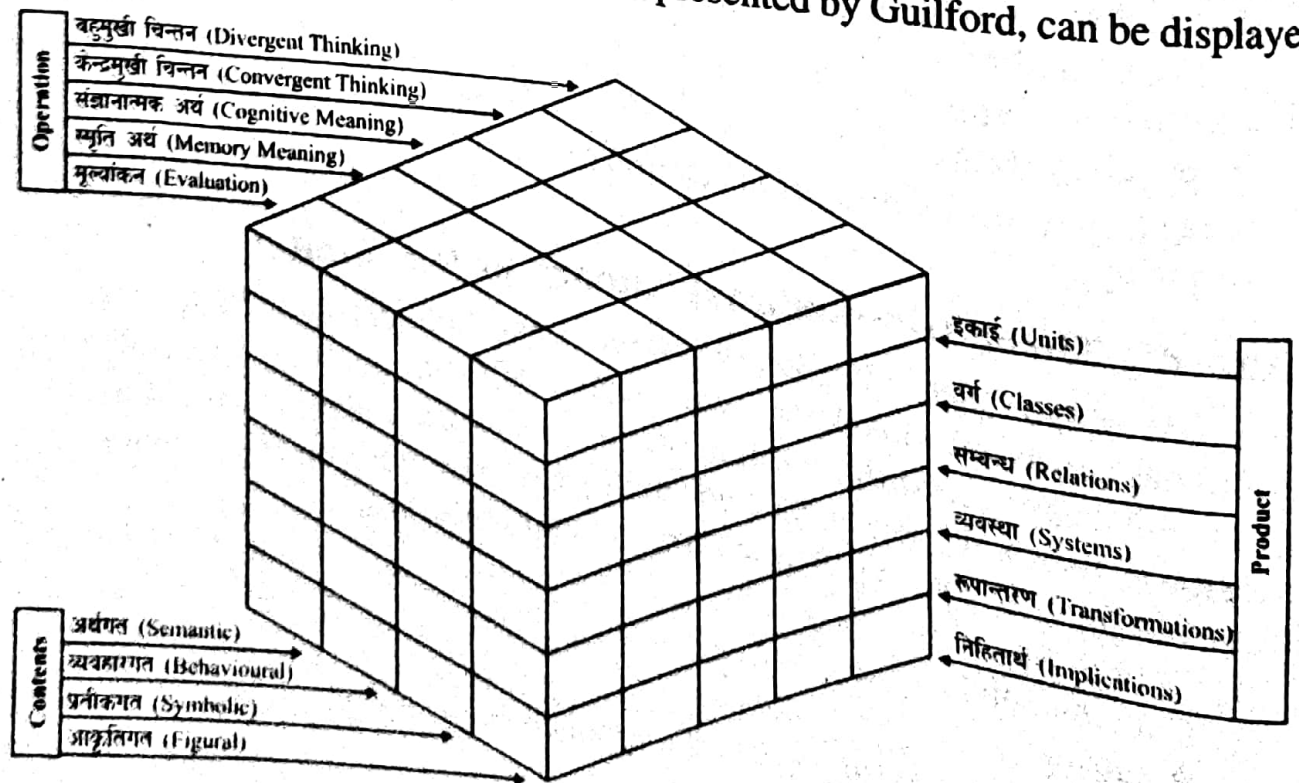
Guilford has said that the above five types of intelligence activities take place through the following 4 mediums :

1. Sematic
2. Behavioural
3. Symbolic
4. Figural

Guilford says that when the five types of intelligence activities are expressed through the above four mediums, then the six types of results are obtained :

1. Units
2. Classes
3. Relations
4. Systems
5. Transformations
6. Implications

Thus, according to Guilford, mental abilities should be seen by four types of mediums, five types of activities and six types of outcomes. Guilford has said that intelligence can be the sum of these  $5 \times 4 \times 6 = 120$  mental abilities. The three-dimensional model of intelligence, as presented by Guilford, can be displayed as under :



**Guilford's Three-dimensional Theory**