

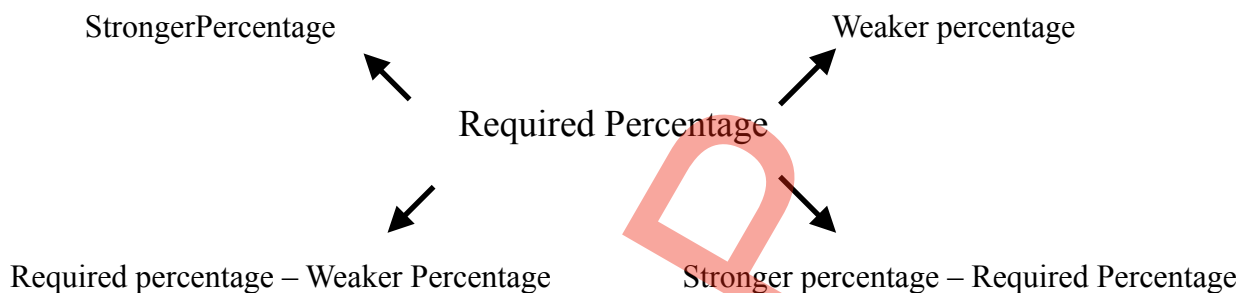
PHARMACEUTICS-I (BP103T)

UNIT: 2

CLASS: 2

TOPIC: ALLIGATION METHOD

When the calculation involves mixing of two similar preparations of different strengths, to produce a preparation of intermediate strength, the alligation method is used.

**Example problems For Alligation method**

1. Calculate the volume of 95% alcohol required to prepare 600ml of 70% alcohol.

Volume required = 600 ml

Percentage of alcohol required = 70

Percentage of alcohol used = $95 - 70 = 25$

70 parts of 95 %alcohol and 25 parts of water will produce the required %alcohol.

Quantity of 95% alcohol required = 422.10ml Quantity of water required = 157.90ml

2 MARKS QUESTIONS

1. What is alligation method?

5 MARKS QUESTIONS

1. When is allegation method applied? Calculate the volume of 95% alcohol required to prepare 600ml of 70% alcohol.