

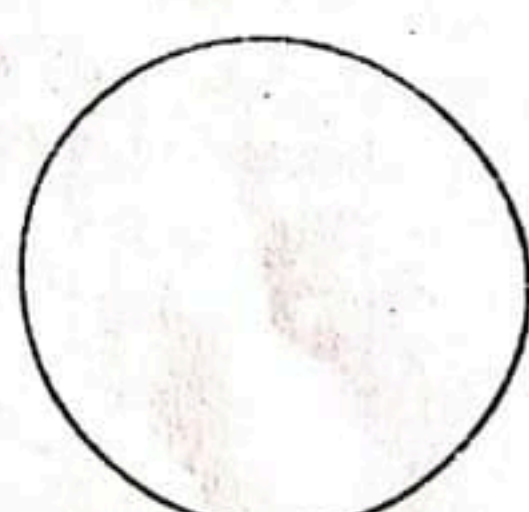
Observation and Results

Part A:

Isolation of Discrete colonies from a Mixed Culture

Examine all agar plate cultures to identify the distribution of the colonies. Record your results in the charts below.

- 1- Make a drawing of the distribution of colonies appearing on each of the agar plate cultures.
- 2- Select two discrete colonies that differ in appearance on each of the agar plate cultures and describe them as follows:
 - i- **Form:** circular, irregular, or spreading.
 - ii- **Elevation:** Flat, slightly raised, or markedly raised.
 - iii- **Pigmentation.**
 - iv- **Size:** Pinpoint, small, medium, or large.
- 3- Retain the mixed-culture plates to perform Part B of this experiment.

Spread-plate Technique				
	<i>S. marcescens</i> and <i>E. coli</i>		<i>M. luteus</i> and <i>E. coli</i>	
Drawing of colonies on agar plate				
Colony description:	Isolate 1	Isolate 2	Isolate 1	Isolate 2
Form:	_____	_____	_____	_____
Elevation:	_____	_____	_____	_____
Pigmentation:	_____	_____	_____	_____
Size:	_____	_____	_____	_____