**Sardar Bhagwan Singh University**

**Balawala, Dehradun**

**School of Pharmaceutical Sciences & Technology**

**6th - Assignment**

**M.Sc Pharm Chem, 4th Semester**

**Subject: General Pharmaceutics (PHAR-631)**

**Time: 1.5hr M.M: 20**

**Attempt all questions: (10x1=10M)**

Q1: Define Vortex.

Q2:How can you prevent Vortex formation in liquid mixing.

Q3: Enlist various mechanisms of powder mixing.

Q4: Enlist various types of mixtures.

Q5: Enlist various physical properties affecting mixing.

Q6: Enlist various conditions of mixing.

Q7: What are various advantages and disadvantages of Tumbler mixer.

Q8: Discuss the uses of sigma blade mixer.

Q9: What is mechanism associated with sigma blender.

Q10: What is the mechanism associated with Planetary mixer.

Q11: Write a note on sigma blender. 2.5M

Q12: Briefly discuss on planetary mixer. 2.5M

Q13: Write a short note on Vortex formation and its prevention. 2.5M

Q14: Discuss Tumbling mixer in detail. 2.5M