**Q1.** Define pharmaceutical calculations. Explain their importance in pharmacy practice with suitable examples.
*(5 marks)*

**Q2.** Describe the metric and imperial systems of weights and measures used in pharmaceutical calculations. Give two examples of each.
*(5 marks)*

**Q3.** Explain the different types of percentage solutions used in pharmacy. Write formulas for %w/w, %w/v, and %v/v with one example each.
*(5 marks)*

**Q4.** What is the alligation method? Describe the steps involved in performing alligation calculations with a suitable example.
*(5 marks)*

**Q5.** What are isotonic solutions? Differentiate between hypertonic, hypotonic, and isotonic solutions. Explain the molecular weight method for adjusting tonicity.
*(5 marks)*