1. a) What is Tkinter? Explain its significance in Python programming.

   b) Discuss the different layout managers available in Tkinter.

2. a) What are Labels and Buttons in Tkinter? Explain their role in GUI development.

   b) How can event handling be implemented in Tkinter?

3. a) What is image processing? Explain its importance in modern applications.

   b) Discuss the role of Python libraries such as PIL and OpenCV in image processing.

4. a) What is image filtering? Explain its significance.

   b) Discuss different types of filters used in image processing.

5. a) Explain event handling in Tkinter.

   b) Discuss different event types and how they are used in GUI programming.