i. For people with **physical disabilities** who cannot use their hands to type or operate a mouse. They can use their voice to dictate text and issue commands to the computer.

ii. In situations where a person's hands are busy, such as a **surgeon during an operation** who needs to access a patient's records or an architect who is drafting a design and needs to issue a command without letting go of their drawing tools.

b) **Give three examples of places where Optical scanning is used. [3 marks]**

i. Supermarket checkout counters (barcode scanners). ii. Grading of multiple-choice exams (OMR). iii. Reading utility bills and invoices. c) **Mention five different types of scanners [10 marks]**

i. **Flatbed Scanner:** For scanning documents and images.

ii. **Handheld Scanner:** For scanning barcodes and small documents.

iii. **Drum Scanner:** High-end scanner for professional-quality images.

iv. **Optical Mark Recognition (OMR) Scanner:** For scanning multiple-choice forms.

v. **Magnetic Ink Character Recognition (MICR) Scanner:** For scanning characters on bank cheques.

7. **Your new smartphone uses your fingerprint to unlock it and a special pen for drawing.**

   a) Name the input device used for fingerprint recognition. [1 mark] **Biometric scanner**.

   b) Name the input device used for drawing with a special pen on the screen. [1 mark] **Stylus** or **Light pen**.

8. **You are preparing a list of devices that allow a user to send data or commands to a computer.** List two input devices that are commonly used in gaming. [2 marks]

   i. **Joystick**

   ii. **Gamepad/Controller**

   iii. **Gaming keyboard**

   iv. **Virtual Reality (VR) headset**