**Unit 9**

**1A:**

A: A blind student is using an adapted keyboard on the presence of his teacher. The headphones allow him to hear the text.

B: A blind girl is using a screen magnifier, a type of software that enlarges text and images appearing on the screen.

C: A motor-impaired person is using a pneumatic switch-known as sip and puff - to operate the computer.

D: A motor-impaired user is unable to type on a standard keyboard. The on-screen keyboard is activated by the user's eyes when he pauses on the virtual keys for a few seconds. The video camera and special software capture the eye's gazepoint on the screen.

**2A:**

1. The American with Disabilities Act (ADA); the Disability
2. He uses an adapted keyboard, headphones and screen reading software
3. Electronic notetakers
4. Optical Character Recognition (OCR)
5. The eyegaze system
6. The pneumatic switch, also known as a sip and puff
7. Voice recognition devices understand human speech, allowing users to speak to the computer and input data

**2B:**

1. Textphone
2. Onscreen
3. Embosser
4. Alerts
5. Reader
6. Magnifier
7. Braille

**5:**

Dear director of studies,

As our university decided to invest this year IT budget in to assistive technologies, i would like to give you a brief understanding about assistive technologies.

There is a wide range of types of assistive technology available to help blind persons. One of those tools is a screen reader, which is a software application that outputs the text displayed onscreen to a user who is blind or visually impaired. Electronic text is sent to a speech synthesizer (text-to-speech) or a braille display. The user is then able to hear the text spoken or read it tactilely with the refreshable braille display. A screen reader program has hundreds of commands the user can use to carry out different tasks. Tasks include reading parts of, or whole documents, navigating web pages.

Also we need a switch device. This is a type of assistive technology that replaces the need to use a keyboard or mouse and is used by people with motor impairments to access and control computers, smartphones, electric wheelchairs, communication devices and more. A “Sip and Puff” system is example of a switch device. This type of assistive technology allows a user to activate the switch by sipping (inhaling) or puffing (exhaling).

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