**Test 4 (display screens, ergonomics, printers)**

1. **Match the terms to their definitions:**
2. LCD c
3. Flat screen f
4. Aspect ratio e
5. Adjustable chair g
6. Ergonomics a
7. Copyholder d
8. Tilt-and-swivel stand b
9. Wrist rest i
10. Eye strain h

**Definitions:**

a. The study of designing equipment to maximize comfort, safety, and efficiency.

b. A support stand that allows a monitor to tilt and rotate to improve viewing angle.

c. A screen technology that uses liquid crystals to display images.

d. A paper holder designed to hold documents at an adjustable angle near a computer screen.

e. Proportional relationship between the width and height of a screen or image.

f. A flat display surface with no curvature.

g. A piece of furniture that can be adjusted to improve sitting posture.

h. Pain or discomfort in the eyes due to prolonged screen use.

i. A cushioned pad used to support the wrist when using a keyboard or mouse.

**II. Choose the correct word from the list to complete each sentence.**

***flat screen, resolution, noble gases, brightness, height, sore eyes, consume, colour depth, footrest, high-definition TV***

1. The ***resolution*** of a screen is measured in pixels and determines how clear the image appears.
2. An ergonomic office setup might include a(n) ***footrest*** to reduce back strain.
3. Prolonged computer use without breaks can lead to ***sore eyes*** and eye fatigue.
4. A high ***colour depth*** allows more colors to be displayed on the screen, improving image quality.
5. Some screens use ***noble gases*** to create vibrant colors.
6. ***high-definition TV*** displays require more energy to run than their low-resolution counterparts.
7. Adjusting the ***brightness*** of the monitor can help reduce glare and improve clarity.
8. Watching content on a ***flat screen*** gives a sharper, clearer picture than standard-definition screens.

**III.Choose the best answer for each question:**

1. Which feature is best adjusted to prevent neck and back strain?
   * a) Colour depth
   * b) Tilt-and-swivel stand
   * c) Noble gases
2. What ergonomic feature can help prevent wrist pain when typing?
   * a) Footrest
   * b) Copyholder
   * c) Wrist rest
3. If an image appears blurry or unclear, it may be:
   * a) distorted
   * b) bright
   * c) in high definition
4. Which setting might a user adjust if they experience eye strain?
   * a) Brightness
   * b) Aspect ratio
   * c) Filing cabinets

**IV. Match the terms to their definitions:**

1. Inkjet
2. Laser printer
3. Dot-matrix printer
4. Cyan
5. Scalable fonts
6. Thermal transfer printer
7. Plate setter
8. Plotter
9. Standalone

**Definitions:**

a. A type of printer that uses dots to form characters and images on paper, typically used for simple printing tasks.

b. A color used in printing, often combined with magenta, yellow, and black to create full-color images.

c. A device that transfers text or images to a substrate using heat and special paper.

d. A high-precision printer used for large-scale drawings, such as construction plans and maps.

e. Fonts that can be resized to any desired size without loss of quality.

f. A device that prepares printing plates for use in high-quality printing presses.

g. A printer that sprays fine droplets of ink onto paper to create text and images.

h. A printer that uses a laser and ink powder to create high-resolution text and images.

i. A device that can function on its own without needing to be connected to other devices.

**V. Choose the correct word from the list to complete each sentence.**

***hue, magenta, ink powder, imagesetter, printing plates, emulate, construction plan, consumables, substantially***

1. In color printing, the primary colors are cyan, yellow, and \_\_\_\_\_\_\_\_\_\_\_.
2. A laser printer uses \_\_\_\_\_\_\_\_\_\_\_ rather than liquid ink to produce images.
3. Architects often use a plotter to print a detailed \_\_\_\_\_\_\_\_\_\_\_ for a building.
4. Colors in printing are adjusted by changing the \_\_\_\_\_\_\_\_\_\_\_ of each color.
5. A high-quality printer might \_\_\_\_\_\_\_\_\_\_\_ the output of professional printing devices.
6. Special papers and inks are examples of \_\_\_\_\_\_\_\_\_\_\_ that printers require.
7. Professional printers use \_\_\_\_\_\_\_\_\_\_\_ to transfer an image onto paper accurately.
8. Advances in printing technology have \_\_\_\_\_\_\_\_\_\_\_ improved image resolution and color quality.

**VI. Choose the best answer for each question:**

1. Which printer type is ideal for printing high-resolution photos at home?
   * a) Dot-matrix printer
   * b) Inkjet printer
   * c) Plate setter
2. Which printing device is typically used to create large posters or banners?
   * a) Imagesetter
   * b) Plotter
   * c) Laser printer
3. Which printer type uses heat-sensitive paper to produce an image?
   * a) Thermal transfer printer
   * b) Dot-matrix printer
   * c) Inkjet printer
4. A standalone printer is able to:
   * a) Print only when connected to a computer
   * b) Operate independently without additional devices
   * c) Use only a limited range of fonts