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|---------------|-------|--------|---------|
| Subject:      | ICT   | Grade: | 10      |
| Teacher:      | Hanan | Date:  | Midterm |
| Student Name: |       |        |         |

**A. Fill in the Blanks:**

|                 |         |            |                  |
|-----------------|---------|------------|------------------|
| HD 720p 30 fps. | size    | Pixelate   | red, green, blue |
| .gx             | Filters | Transition | Reboot           |

1. The GIMP images are saved in the \_\_\_\_\_ extension.
2. Scaling an image reduces or increases the \_\_\_\_\_ of the image.
3. \_\_\_\_\_ is added between two adjacent clips on the timeline to create a flow from one next in a smooth and natural way.
4. The Old Photo tool is present in the \_\_\_\_\_ menu.
5. The primary colors of an image are \_\_\_\_\_.
6. The default project profile is \_\_\_\_\_.
7. The \_\_\_\_\_ video effect increases or decreases the number of pixels.
8. Restarting networking equipment by unplugging the router for 60 seconds will \_\_\_\_\_ the network device.

**B. State True or False:**

1. Ali's computer shows 50 pop-up ads even when browser is closed. This is caused by Adware.
2. You get OTP on phone after entering correct password.
3. Your hard disk crashed and 3-year project data is lost because you had no backup.

4. A website <http://free-gift-cards-login.com> asks for bank details to claim gift. This situation is a green flag.
5. Passwords - S@if\_2024! is a strong password as it contains uppercase, lowercase, number and symbol.
6. Selection Tools are used to change the background of an image.
7. Clone tool is one of the Selection tools.
8. Rotate tool is one of the Transform tools.
9. The primary colors are Red, Yellow and Green.
10. Old Photo tool is present in the Filters menu.

**C. Multiple answer questions (Choose the correct answer)**

1. Which tool is used to change the background of an image?  
(a) Color tool  
(b) Paint tools  
(c) Selection tools  
(d) Transform tools
2. Name the tool used to enhance the colors in the image.  
(a) Color Balance tool  
(b) Oilify tool  
(c) Color Enhance tool  
(d) Brightness-Contrast tool
3. Clone is one of the \_\_\_\_\_ tools.  
(a) Transform  
(b) Paint  
(c) Selection  
(d) Drawing

4. Rotate tool is one of the tools in the \_\_\_\_\_ tools.

- (a) Selection
- (b) Paint
- (c) Transform
- (d) Crop

5. The resolution of the video is known as the \_\_\_\_\_.

- (a) size of video
- (b) frame rate of video
- (c) the aspect ratio of the video
- (d) codec of the video

6. Aspect ratio is the proportional relationship between \_\_\_\_\_.

- (a) size and length of the video
- (b) width and height of the video
- (c) the frame rates of the video
- (d) audio and video codecs

7. You get an email from support@amaz0n-security.com saying your account will be deleted in 2 hours if you don't click link.

What should you do?

- (a) Click fast and enter password to save account
- (b) Ignore spelling mistake and click because it looks urgent
- (c) Do not click, it is phishing, check directly on official website
- (d) Forward to all friends

8. Your friend deleted antivirus because it slows PC, then downloaded free game from unknown website.

What can happen?

- (a) Game will make PC faster
- (b) PC can get malware like virus/trojan and data can be stolen
- (c) Nothing will happen
- (d) Internet will become free

9. A school uses same password school123 for all teacher computers and one account is hacked.

What is the bigger problem?

- (a) Only one computer is at risk
- (b) All computers are at risk, should use different strong passwords + MFA
- (c) Hacker will repair computers
- (d) Password is very strong

10. You found a pendrive in playground labeled "Class 9 Exam Papers - FREE". Will you insert it in school computer?

- (a) Yes, immediately to see papers
- (b) Yes, because it is free
- (c) No, it can contain virus/trojan, give it to teacher
- (d) Yes, to copy virus

11. A company never updates software to save data. After 6 months all files are locked by ransomware.

What was their mistake?

- (a) They saved too much internet data
- (b) They did not take backup and did not do regular software updates to fix security bugs
- (c) They used antivirus
- (d) They used firewall

D. Matching Column A with Column B

| Column A |              | Answers | Column B                                                                                                                             |
|----------|--------------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| A        | Phishing     | 1       | An attacker floods a website or network with traffic, rendering it unavailable to users.                                             |
| B        | DDoS         | 2       | A type of malware that grants attackers administrative access and conceals other malicious activities.                               |
| C        | Spyware      | 3       | Tricking individuals into revealing sensitive information or performing actions that compromise security.                            |
| D        | Rootkit      | 4       | An employee unknowingly installs a program that monitors their online activities and sends sensitive information to a remote server. |
| E        | Trojan Horse | 5       | An unauthorized person gains access to sensitive information, such as personal or financial data.                                    |
| F        | Data breach  | 6       | A user receives an email from a trusted source, but the attachment contains malicious code.                                          |

E. Answer Questions

Q. What happens when you scale an image?

Q. What are the primary colors of an image?

Q. What is the default project profile in the video editor?

Q. Which video effect is used to increase or decrease the number of pixels in a video?