**ECC LAB ASSIGNMENT-01**

**Central idea:**

The feeling of frustration that results from maintaining a memorized list of login credentials has grown so prevalent that it actually has a name password fatigue.

**Main idea of paragraph 1:**

An average computer user has 5 to 15 combinations of username/password to log in to accounts while a user who uses accounts for work/online banking /discussion boards / news and entertainment sites has a combination of 30 even some accounts demand you to use specific numbers of symbols or digits and some accounts demand to change the password after 60 days which creates frustration between users called **password fatigue.**

**Main idea of paragraph 2:**

Remembering the password is irritating and is also dangerous, many people solve this problem by leaving written list of passwords next to their computer or making simple/similar passwords for every account they use, that have a risk of hacking.

**Main idea of paragraph 3:**

SSO authentication help the user by remembering passwords of variety of different applications which automatically logs the user into their accounts, but they must link account and passwords with management software such as KeePass and Password Safe which are provided by many browsers to store passwords in a database for the future.

**Main idea of paragraph 4:**

The problem with SSO authentication is if the user lost main password of SSO/Management Software, he cannot open any linked account or if a hacker got the password, then he/she can access every linked account and again recovering of lost password is waste of time and cause further frustration.

**Main idea of paragraph 5:**

Computer scientist suggests relying on biometrics, “method of recognizing human users based on unique traits such as fingerprints, voice, or DNA. But use of biometrics raises ethical questions and it is very expensive to implement.

**Main idea of paragraph 6:**

We have to rely on flawed password system until software engineers solve the problem related to SSO/Password Management Software, and biometrics.

**Summary:**

In these passages, the author at first discussed the difficulty of remembering passwords which is growing feeling of frustration among computer users and he named it **Password fatigue.** Many people practice of making simple passwords which led to an advantage for hackers. Secondly, author described merits & demerits of SSO/ Password Management Software. In SSO, user must remember only one password to log into main account than SSO automatically logs them into different linked accounts. Demerit of SSO is if user forget his password, he can’t access any of his linked account or incase hacker hacked into the main account than he/she will have access to all the related linked account and then again recovering of forgotten password is being a cause of further frustration. In last, he said computer scientists suggest biometric recognition instead of passwords, but implementation of biometric is expensive and against of some ethical rights that concern individual’s privacy. The demerits of SSO, PMS & Biometrics continue to stimulate software engineers and computer security experts to find out the solution for **Password fatigue**. So, now the users have to rely on the flawed password system.

**Questions**

**1) Which of the following best describes the organization of the passage? [1]**

**A.** The passage organizes ideas in order of increasing importance.

**B.** The author presents an argument and then uses evidence to dismiss opposing views.

**C.** The author explains a problem, explores solutions, and then dismisses these solutions as inadequate.

**D.** The author explains a problem and then persuades readers to agree with his or her solution to the problem.

**E.** The author explains a problem, contextualizes the problem, and ultimately dismisses it as an unnecessary concern.

**ANSWER:**

**C.** The author explains a problem, explores solutions, and then dismisses these solutions as inadequate.

**2) The passage discusses all of the following solutions to password fatigue except [1]**

**A.** writing the passwords down on a piece of paper

**B.** voice-recognition software

**C.** KeePass

**D.** using very simple passwords

**E.** intelligent encryption

**ANSWER:**

**E.** intelligent encryption

**3) As used in paragraph 3, which is the best synonym for mitigate?[1]**

**A.** predicts

**B.** postpones

**C.** investigates

**D.** lessens

**ANSWER:**

**D.** lessens

**4) According to the passage, SSO authentication software may be safer than password management software because [1]**

I. stolen personal computers contain passwords memorized by a user's web browser.

II. if a user of password management software forgets his or her login credentials, the user can no longer access any of the applications protected by the password.

III. hackers who access password management software can gain access to all of the applications protected by that password.

**A.** I only

**B.** II only

**C.** I and II only

**D.** II and III only

**E.** I, II, and III

**ANSWER:**

**A.** I only

**5) Which of the following statements from the passage represents an opinion, as opposed to fact? [2]**

**A.** "For people who use email or other internet applications at work, the number of required username/password combinations may surpass 30."

**B.** "The feeling of frustration that results from maintaining a memorized list of login credentials ha grown so prevalent that it actually has a name: password fatigue."

**C.** "Having to remember so many different passwords is irritating, but it can also be dangerous.

**D.** "Additionally, recovering a forgotten password is only a temporary solution; it does not address the larger problem of password fatigue."

**E.** "The problems associated with SOS, password management software, and biometrics continue stimulate software engineers and computer security experts to search for the cure to password fatigue

**ANSWER:**

**D.** "Additionally, recovering a forgotten password is only a temporary solution; it does not address the larger problem of password fatigue."

**6) In paragraph 6, the author notes that "the use of biometrics raises ethical questions concerning privacy. Which of the following situations could be used as an example to illustrate this par [2]**

**A.** A thief steals a personal computer with password management software and gains access to private email accounts, credit card numbers, and bank statements.

**B.** An employee at a company uses a voice recognition system to log in to his computer, only to be called away by his boss. While he is away from the computer but still logged in, another employer snoops on his computer and reads personal email correspondence.

**C.** A computer hacker gains access to a system that uses SSO software by cracking the password, the gaining private access to all linked accounts.

**D.** A company that employs fingerprint identification security software turns over its database of fingerprints to the local police department when a violent crime occurs on its grounds.

**E.** Even when a person is on password-protected websites, an internet browser tracks the person's internet use and collects information in order to tailor advertisements to his or her interests.

**ANSWER:**

**B.** An employee at a company uses a voice recognition system to log in to his computer, only to be called away by his boss. While he is away from the computer but still logged in, another employer snoops on his computer and reads personal email correspondence.

**D.** A company that employs fingerprint identification security software turns over its database of fingerprints to the local police department when a violent crime occurs on its grounds.

**7) In the final paragraph, the author's tone can best be described as [1]**

**A.** angry

**B.** resigned

**C.** confused

**D.** hopeful

**E.** depressed

**ANSWER:**

**D.** hopeful

**8) According to the author, biometric system has which of the following limitations. [1]**

**A.** It poses serious security threats.

**B.** It can be breached more easily.

**C.** There will be moral concerns regarding its implementation.

**D.** along with financial challenges, it also entails moral issues.

**ANSWER:**

**D.** along with financial challenges, it also entails moral issues.