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# Professional Practices (Mid Term) Marks: 30

Instructions:

* All questions are compulsory.
* Marks of each question are mentioned with it.
* Marks will be given as per the DEPTH of the answer, not LENGTH. (Kindly don’t write lengthy stories, just to the point)
* No *out sourcing* please (Save that to IT Companies).
* For this paper, you’ll not be required to borrow anything from anyone.

**Question No: 01 (06)**

What might a software engineer do that is?

* + Illegal, immoral, unethical?
	+ Legal, immoral, unethical?
	+ Legal, moral, unethical?

**Question No: 02 (06)**

Why educational institutions include ethics awareness in software engineering
courses? Give answer while keeping in mind current changes in the software
industry. For example, social media application, mobile games and flourishing ecommerce
industry.

**Question No: 03 (04)**

Cyber Ethics is considered as more accurate label than the Computer Ethics and Internet Ethics. Explain why?

**Question No: 04 (08)**

Apply the ethical decision making code in the following cases:
a) Ali reused the licensed software code without getting any permission, payment or
 acknowledgement in the document.

b) Incorporated other Colleagues component in application without his knowledge.

c) A Samsung programmer did not describe complete details of vulnerabilities in security
 applications.

d) The employer told a designer to design Blue National card to white people and Brown for
 Black people.

**Question No: 05 (06)**

You are the owner of a software engineering company. Your employees (engineers) want you to pay for them to attend training.

How would you respond in a way that is legal, moral, and ethical?

**QUESTION #1:**

* + **Illegal, immoral, unethical?**

Ans: A software engineer breaks the rules ands regulations of PUBG game breaking their terms and conditions and using 3rd party software to handle it for example an hacking software or none authorized software. Such kind of action is illegal immoral and unethical.

* + **Legal, immoral, unethical?**

A website offers to user to earn online money but when the user earns some money and he want to withdraw that that money website did not allow them to withdraw and asking for another rule and terms and condition that they did not mention before that is earning is legal but fraud with the user is unethical and benefits for their self the website wasting users time that’s immoral.

* + **Legal, moral, unethical?**

If a developer upload an open source code and a user purchased that code this Legal but if user changing the code this is moral and misused that code for harming other people this is unethical.

**Question # 2**

As in this era we are looking many changes in software industry like social media applications, mobile games and flourishing e-commerce industry. That’s all due to ethics. Because of ethics defines socially acceptable behaviors established by various organizations to produce a positive effect on judgment, to establish responsibility of professionals to act ethically according to the policies and procedures of their employers, professional organizations and laws of society. That’s why educational institutions include ethics awareness in software engineering

**Question # 3**

Cyber ethics is the study of moral, legal, and social issues involving cyber technology. While it is similar to Information Ethics, as it deals with access to information, Cyber ethics covers more topics than it, and affects more groups and technologies.

Internet ethics is also too constricting, as Cyber ethics also covers topics that are not connected to the Internet, such as private computers (cyber technology).

Computer ethics also deals with computers and occasionally the Internet, but it may be understood as only pertaining to stand-alone computers or to professional IT topics.

**Question # 04:**

1. **Ali is obviously doing illegal immoral and unethical practice by not paying for software code. Even if the code is open source, Ali has to at least acknowledge the addition of the code by giving reference to that respective code.**
2. **If the component is copy righted, it is illegal and if it is not copyrighted then it is still immoral and unethical to incorporate acknowledge that he/she is using someone else, work but he/she is using someone else, work but colleagues should be supportive to their other colleagues.**
3. **Samsung programmer has to mention full set of vulnerabilities because anyone’s data can be hacked or compromised. It is unethical and immoral and can be illegal if someone sued the company by doing and it.**
4. **This racial discrimination against brown and black people because everyone should equal opportunity to have one type of card. This is immoral and unethical but not illegal but there are no actual law-suite against it**

**Question # 5**

It’s not a legal, moral, or ethical decision - it’s a business decision. You are effectively paying for their time to do the work; so, in effect, you are making a charitable contribution to the organization that they are doing work for. It’s the same as making a donation - you should decide how much you can afford to donate to the cause. If they were willing to do it on their own time, that would be a different story.