**Professional Practices Major Assignment Marks (20)**

**Last Date of Submission 10 June 2020**

**Task 01**

Softech is a multinational company known for developing quality software products. For the past one year, the company is facing a problem for not generating enough yearly revenue. The main reason is that resources to carry out the task of developing products are not being managed properly which resulted delays in product completion. For this purpose, the company wants to hire a person who will be responsible for overcoming this loss, the company is facing. Which type of person the company should hire? Justify your answer with valid reason.

**Task 02**

Blue Tech is a software company which is known for developing embedded system. Lately the company has formed a software team which will be working on a complex system. The team will be mainly responsible for development of the system. However, in order to carry out the development activities smoothly, services of a person are required who will be managing those activities, so that the resulting system may meet the user requirements within the allocated budget and time.

Carefully read the above-mentioned scenario and answer who will be responsible to carry out this task? Also justify your answer with valid reason(s).

**Task 03**

Organizations around the world always strive to achieve the highest standards of Integrity and actions to conduct their business in a responsible and ethical way. For this purpose, IEEE has defined principles of code of ethics for these organizations to achieve this environment.

Identify in which principle of code of ethics does the following cases fall:

Software engineers should develop software for the organization that must be of quality and meet professional standards set by the organization.

Employees need to perform their professional responsibilities.

They also need to promote the practices and learning in an ethical approach.

A software engineer should always be open-minded and supportive of his colleagues.

Software engineers need to maintain integrity and independence in their professional judgment.

Software Engineers shall act in a manner that is in the best interest of their client and employer.

**Task 04**

John, an American businessman wants to start a home appliances manufacturing unit in Pakistan and contacts with an employment agency to hire the best engineers from the home appliance industry. John provides the complete guidelines about required skills of engineers and insisted to prefer, who have professional knowledge and aware the ethics knowledge stated by engineering council. Write in detail about the ethics knowledge an engineer must have with professional skills.