# Question One

*Learning Outcome:*

*Develop a comprehensive project plans for estimation, scheduling, communication, resource management, procurement, risk and quality.*

Why developing a realistic Project Work Breakdown structure by project managers and their teams considered difficult task? Then briefly explain three different ways followed to do it.

# Question Two

*Learning Outcome:*

*Evaluate project team management and analyze project performance.*

Assume that ABC Company has invested a budget of 36 million riyals for XY project and planned to complete in 12 months. In addition, assume that the company planned to spend the budget equally in each month. However, when the first two months has passed, the project manager has found out that the total of two million riyals spent.

Based on the above scenario, answer the following:

**Suppose Rate of performance =0.25**

a) What is the cost variance, schedule variance, cost performance index (CPI), and schedule performance index (SPI) for the project?

b) How much will it actually cost the company to complete this project, and how long will it really take to complete it based on the performance to date?

c) What do you think of the project performance? over/under the budget? behind /ahead the schedule? Justify your answer.

# Question Three

*Learning Outcome:*

*Develop a comprehensive project plans for estimation, scheduling, communication, resource management, procurement, risk and quality.*

Using your own words, explain the difference between contingency reserves and management reserves. Support your answer by providing an example of each.

# Question Four

*Learning Outcome:*

*Recognize the key issues during the IT project management procedures and describe the best practices in IT project management processes.*

If you are provided with a list of projects, explain briefly four possible methodologies would you follow to select the IT projects to work on?