Multiple Choice Questions

Chapter 5: Conceptual Modelling

1. Which of the following is not true?

    a. A conceptual model describes the objectives of a simulation project
    b. A conceptual model describes the scope of a model
    c. A conceptual model describes the software that will be used to develop the model
    d. A conceptual model does not need to be fully documented

2. Assumptions describe:

    a. The simplifications that are incorporated into a simulation model
    b. Ways in which uncertainties about the real world are handled in the model
    c. The requirements for data collection
    d. None of the above

3. When developing a conceptual model it is important to:

    a. Abstract to develop a simple model of the real system
    b. Model everything that is known about the real system
    c. Remove any elements from the model about which there is limited knowledge
    d. None of the above

4. When is a conceptual model developed?

    a. Before the computer model is developed
    b. During development of the computer model
    c. After an initial computer model has been developed
    d. All of the above

5. Which of the following is not a reason for preferring a simple model?

    a. They can be developed faster
    b. They require less data
    c. They run faster
    d. They are always more accurate

6. A conceptual model should be:

    a. Valid, incredible, feasible and have utility
    b. Verified, credible, feasible and have utility
    c. Valid, credible, feasible and have utility
    d. Valid, credible, feasible and believable

7. Which of the following is not a means for representing a conceptual model?

    a. Component list
    b. Activity cycle diagram
    c. Pie chart
    d. Process flow diagram