Describe Run-time & Distribution Architecture

Question 1. What is an important consideration when allocating processes to nodes?
A. minimizing network traffic
B. minimizing power consumption
C. utilizing all available nodes
D. physical distance between nodes

Question 2. Which UML elements are used to describe the physical architecture of a system?
A. classes and relationships
B. objects and messages
C. subsystems and dependencies
D. nodes and connectors

Question 3. The Describe Distribution activity is where the processes defined in the Describe the Run-time Architecture activity are allocated to _____.
A. physical nodes
B. components
C. classes
D. activities

Question 4. Defining the network configuration is the _____ step of the Describe the Distribution activity.
A. final
B. first
C. second
D. fifth

Question 5. How many physical nodes should be identified in order to perform the Describe Distribution activity?
A. zero nodes only
B. one node only
C. zero nodes or one node
D. more than one node

Question 6. What is used to describe the process of applying a distribution mechanism during implementation?
A. activity diagram
B. flowchart
C. UML pattern and written steps
D. use-case diagram
Question 7. Which is an example of a connector?
A. SCSI Hard Disk  
B. Uninterruptible Power Supply  
C. HTTP protocol*  
D. JDBC class

Question 8. Which is a device?
A. database server  
B. web server  
C. virtual private network  
D. handheld computer

Question 9. Which 4+1 view is the focus of the Describe Distribution activity?
A. Logical View  
B. Deployment View  
C. Use Case View  
D. Implementation View

Question 10. How many physical nodes should be identified in order to perform the Describe Distribution activity?
A. zero nodes only  
B. one node only  
C. zero nodes or one node  
D. more than one node

Question 11. Artifacts are entities that _____.
A. host running software  
B. are deployed onto physical nodes  
C. are the result of model transformations  
D. are stored in a browser cache