**Module 5**

1) Describe the three phases of evolving to an intelligent information network.

2) Describe the three layers of the SONA framework.

3) Name some of the benefits of using the SONA framework.

4) Match the PPDIOO network lifecycle phases with their correct descriptions.

Phases:

| a.Prepare phase | **1.** The network is built |
| --- | --- |
| **b.** Plan phase | **2.** A network design specification is produced |
| **c.** Design phase | **3.** Includes fault detection and correction and performance monitoring |
| **d.** Implement phase | **4.** Network requirements are identified |
| **e.** Operate phase | **5.** Business requirements and strategy related to the network are established |
| **f.** Optimize phase | **6.** Based on proactive management of the network |

5) What are the three basic steps of the design methodology?

6) Describe the role of each layer in the hierarchical network model.

7) Why might the distribution layer need to redistribute between routing protocols?

8) What are three roles of the hierarchical model’s core layer?

9) What is the role of the Service Provider functional area?