**Karunya University**

**(Karunya Institute of Technology and Sciences)**

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

**Supplementary Examinations – June 2016**

**Subject Title: NETWORK ANALYSIS, ARCHITECTURE AND DESIGN**

**Time : 3 hours**

**Subject Code: 14CA3014 Maximum Marks: 100**

**Answer ALL questions (5 x 20 = 100 Marks)**

1. **Compulsory:**

Explain in detail about Service Provider Evaluations in designing a network.

2. Discuss in detail about the service characteristics of networks.

**(OR)**

3. Discuss the following application requirements in detail.

a. Application types.

b. Application groups.

c. Application locations.

4. Elucidate about the gathering and listing requirements.

**(OR)**

5. List the requirements for developing supplemental performance and explain each of them in detail.

6. Draw and explain the different types of flow models.

**(OR)**

7. Explain the various component architectures in detail.

8. Illustrate about the design traceability.

**(OR)**

9. With the necessary diagram, describe in detail about the various security and privacy mechanisms.