

## **Module - 1**

**1. What is Big Data? Explain Analytics Process model**

**2. What is Analytics? Explain Analytical model requirements**

**OR**

**List the satisfactory requirements of a good analytical model and explain**

**OR**

**List the various factors required for analytical model and explain.**

**OR**

**Explain the requirements to satisfy good analytical model**

**3. Discuss the Example Applications in Analytics**

**4. Examine and summarize the analytics application in marketing, risk management, government, web and logistics.**

**OR**

**Discuss the applications of Big Data Analytics**

**5. List the Basic Nomenclatures discussed in analytics.**

**6. Describe any 4 Vs of Big Data.**

**OR**

**Discuss characteristics of Big Data Analytics.**

**7. List types of data sources. 5M**

**OR**

**Explain different types data sources**

**8. List and explain the types of data elements.**

**9. Write notes on Visual Data Exploration, Missing Values.**

**10. Describe outlier. How will you detect and treat outliers?**

**11. Explain the schemes to deal with missing values in a dataset.**

**12. Discuss the different methods to standardise data.**

**13. Describe the various methods to categorise the data.**

**14. Calculate Z scores and detect the outlier for the following data.  $\mu=40$ ,  $SD=10$ . Data = 30, 50, 10, 40, 60, 80.**

**15. Construct Box plot for given data: 51,17,25,39,7,49,67,41,20,2,43,13.**