

Andhra Pradesh State Council of Higher Education
B.Sc. Computer Science/Information Technology (IT) Syllabus Under CBCS
w.e.f.2015-2016 (Modified in April 2016)

Structure of Computer Science/Information Technology (IT) Syllabus

III YEAR VI SEMESTER
(Cluster 1) Paper-VIII: Elective –A-1
Foundations of Data Science
Model Question Paper

Answer any **Five** Question.

5 X 15 = 75

1. What is Data Science ? What are its roles and stages in Data Science.
2. What are the different properties and characteristics of Relational Data Bases.
3. What is Machine Learning? What is its role in Data Science
4. What is a Cluster Analysis? Explain K-means algorithm.
5. Explain the Characteristics of 'R' Language? How d we read Data into 'R'.
6. What are Data frames? Write its Significance in 'R'.
7. Explain probability Distribution and Discrete Poisson distribution.
8. Explain in detail about Binomial Distribution.
9. Explain about Plot() function in 'R' Language.
10. Explain about Graph Exploration in 'R' Language.