

University of Kerala

School of Distance Education

Assignment Topics For VIth Semester B.Sc. Computer Science

I. Introduction to Information Security (CS 1641)

1. Write a note on RSA algorithm.
2. Write a note on malicious software.
3. Explain about different authentication methods.
4. Explain about cybercrime and IT act.
5. Explain about Digital Signature algorithm

II. Artificial Intelligence (CS 1642)

1. Explain forward and backward chaining and combinatorial explosion based on search processes in AI.
2. What do you mean by Brute force search in AI? What are its classifications?
3. Write short note on Alpha-Beta Pruning.
4. What do you mean by speech synthesis?
5. Discuss about Dendral in terms of expert systems.

III. E-Commerce & E-Governance (CS 1643)

1. Explain M-Commerce.
2. Discuss two internationally successful e-commerce websites and two Kerala based e-commerce websites.
3. Explain IT act (India) and E-commerce.
4. Explain e-payment systems and classification of new payment systems.
- 5 a) Discuss e-government and various phases of e-government.
b) Explain the various e-government projects in India.

IV. Data Mining & Data Warehousing (CS 1661.3)

1. Explain the steps in data transformation.
2. Discuss about multi dimensional data model.
3. Write short notes on
 - a)Data Preprocessing
 - b)Data Cleaning
 - c)OLAP
 - d)Apriori algorithm
4. Explain the concept of classification. Write classification algorithm in detail.
5. What do you mean by clustering? Explain the categories of clustering.
