

University of Kerala

School of Distance Education

ASSIGNMENT TOPICS

V Semester B.Sc. Computer Science (2020Admission)

I. Free and Open Source Software (CS 1541)

1. Discuss different features of open source software.
2. Explain about cookies. Write the syntax for creating and deleting a cookie in php.
3. Write a program that performs form validation in php.
4. Discuss the features of MYSQL.
5. Discuss the use of join, like operator with examples.

II. System Software (CS 1542)

1. What are the different SIC addressing modes.
2. Explain machine dependent and independent assembler features,
3. Explain the following
 - a) Text editor
 - b) One pass Assembler
 - c) linking loader
 - d) linkage editor.
4. Explain data structures used in macro processor.
5. Explain the algorithm and data structures for linking loader.

III. Computer Graphics (CS 1543)

1. Explain DDA in detail.
2. Explain
 - a) Aliasing and Antialiasing.
 - b) Clipping
 - c) Depth-Buffer method
 - d) Projections
3. Discuss different color models.
4. Explain three-dimensional object representations.
5. Explain about Rubberband techniques.

IV. Trends in Computing (CS 1561.3)

1. Explain Grid layer architecture in detail and explain different application areas of grid computing..
2. Explain
 - a. SOA
 - b. Web 2.O.
 - c. ANN
 - d. Mutation
3. Explain cloud computing and its components.
4. What is genetic algorithm? Explain about its applications.
5. Compare and contrast Soft computing and Hard computing.
