

V.S.B. ENGINEERING COLLEGE, KARUR.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2017 -2018(EVEN SEMESTER)

ASSIGNMENT QUESTIONS

SOFTWARE TESTING

1. What is Selenium? What are the different Selenium components and explain its limitations?

DISTRIBUTED SYSTEM

1. World Wide Web:HTTP<HTML<URL
2. Case Study on Coda
3. Enterprise Java Beans-from object to components
4. Case studies
 - Pastry tapestry
5. Java RMI

COMPILER DESIGN

1. Explain the given below with examples
 - bootstrapping
 - Cross compiler
 - JIT compiler
2. With an example explain the use and coordination between “LEX” and “YACC” the compiler writing tools? Explain in detail about the FLEX.
3. Consider the following grammar which is not SLR, i.e. the SLR parsing table will have conflicts:

$S \rightarrow M a$
 $S \rightarrow b M c$
 $S \rightarrow d c$
 $S \rightarrow b d a$
 $M \rightarrow d$

Construct the SLR parse table and answer the following:

- a. How many conflicts are there in the resulting parsing table?
- b. Show each pair of items that cause a conflict.

- c. What are the viable prefixes for the conflicting states.
 - d. Explain in a clear language the reason behind each of the conflicts.
4. Discuss about the GNU Bison. List out the stages in using Bison and give the overall layout of the Bison.
 5. Explain about peephole optimization.

ARTIFICIAL INTELLIGENCE

1. Problem Characteristics for 8-Puzzle and Chess.
2. Behavior of A* Search algorithm.
3. Neural Networks architecture.
4. Perceptrons and Back propagation network.
5. Automated Advice taking.