بسم الله الرحمن الرحيم

Introduction

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Lecturer

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Course Detail

BS CS 5ᵗʰ Semester Fall 2022-2026

Course: Theory of Programming Languages

Course Code: CS IT 507

Lecture: 7 (25-09-2024)

Outline Lecture 7

- Written Test Lec 1-6 (Total Points 20)
- Assignment No.1(Submission Date 27-09-2024)

Test # 1

Class: BS CS Fall 2022 (5th)

Course Name: Theory of Programming Language CS IT 507

Test # 1 Date: **25-09-2024**   Total Points: **20**

Course Instructor: **Dr. Nasir jalal**

CS & IT Department

Cholistan University of Veterinary and Animal Sciences Bahawalpur

Test #1

Question No. 1: Select the best option

1.	**What is a prototype**
A.	mini-model of existing system
B.	mini-model of proposed system
C.	working model of existing system
D.	none of these
2.	**For specifying the syntax of a language _____ is used.**
A.	context free language
B.	regular expression
C.	finite automata
D.	none of these
3.	**What is relationship between reliability and failure?**
A.	direct relation
B.	inverse relation
C.	no relation
D.	varying relation depending upon the situation
4.	**Language efficiency can be achieved by _____.**
A.	maximum speed
B.	less memory consumption
C.	reusability
D.	all of these

Test #1

5.	Semantic of a program means-
A.	format of a program
B.	meaning of a program
C.	simply content of a program
D.	none of these
6.	Grammars are capable to describe the structure of ....and independent ....models.
A.	language and computational
B.	language and lexical
C.	language and syntactic
D.	none of above.
7.	In a compiler_____checks every character of the source text.
A.	the lexical analyzer.
B.	the syntax analyzer.
C.	the code generator.
D.	the code optimizer.

8.	In the early days of computing, the computer was used mainly in_____
A.	historical perspective
B.	language and maintainability
C.	Scientific applications.
D.	All of the above

Test # 1

- **Question No. 2:** **(6)**
- Describe the term Theory of Programming Languages also explain syntax, semantic and pragmatics of language?
- **Question No. 3:** **(6)**
- Define CFG and explain basic components of CFG.

Assignment # 1

Class: BS CS Fall 2022 (5th)

Course Name: Theory of Programming Language

Course Code: CS IT 507   Assignment # 1 Total Points: 5

Date: 25-09-2024 Submission Date: 27-09-2024

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THANKS