# Compiler Construction Past Paper

## Lexical and Syntax analysis

Grammar ambiguity, Operator associativity / precedence.

- y2004p4q1 (a-e)

Lexical analysis based on regex and FSA, Parsing based on CFG and PDA.

Recursive Descent

- y2004p4q1 (a-e)

LL(k)

LR(k), SLR(k)

- y2015p3q3
- y2020p4q4
- y2021p4q4
- y2002p4q2
  - LEX / YACCtools

## Compiler Correctness

- y2005p5q6

## CPS

- y2017p23q4

## Data Structure, Procedures/Functions

- y2000p3q3

### Stack

- y2014p3q4
- y2018p4q4

## Linking

- y2001p6q6

## Run-time Memory

**Exception**

**Bootstrapping**