

## Programming in C and C++ Past Paper

- [y2021p4q1 \(a\)](#)
  - static, extern
- [y2016p3q1 \(a\)](#)
  - char and string literal
- [y2015p3q1 \(a\)](#)
  - inline and drawback

## bit-level

- [y2021p4q1 \(b\)](#)
- [y2015p3q1 \(b\)](#)
  - function receive\_bit, unsigned

## Memory Organisation

- [y2007p3q4 \(a\)](#)
- [y2021p4q1 \(d\)](#)
  - storage and efficiency, interpreter

## Data Structure

### Reference and pointer

- [y2015p3q2 \(a\)](#)
- [y2020p4q2 \(a\)](#)
  - pointers and arrays
- [y2021p4q1 \(c\)](#)
  - linked list, continue, Bug finding
- [y2010p3q6](#)
  - XOR linked list
- [y1995p5q5](#)
  - Bug finding
- [y2017p23q1 \(a\)](#)
  - string, Bug finding

## Behaviour and Semantics

### Defined, unspecified, undefined behaviour

- [y2020p4q2 \(b\)](#)
- [y2019p4q2 \(a\)](#)
- [y2017p23q1 \(a\)](#)
- [y2016p3q2 \(a\)](#)

- [y2016p3q1 \(d\)](#)
- [y2015p3q2 \(c\)](#)
- [y2015p3q1 \(d\)](#)

## Cache

- [y2019p4q2 \(b\)](#)

## Object and Class

- [y2007p3q4 \(b,c\)](#)
  - C struct and C++ class
- [y2017p23q2](#)
- [y2020p4q2 \(d,e\)](#)
  - C++ virtual, RAI
- [y2019p4q2 \(c\)](#)
- [y2016p3q2 \(b,c\)i](#)
- [y2015p3q2 \(b\)](#)
  - C and C++ linking

## Exception and Template

- [y2020p4q2 \(c\)](#)
  - C++ Template vs Java Generics
- [y2016p3q2 \(c\)iii](#)
- [y2015p3q1 \(c\)](#)

## Debugging

- [y2016p3q2 \(c\)ii](#)
- [y2016p3q1 \(b,c\)](#)
  - Functions and Preprocessor
- [y2015p3q2 \(d\)](#)