1999 Rolchtimal Topics : Exam question by BM, Solution notes

The betweenotes on Formal Defintion of Programming Languages.

and a good oxposition which shows an undertanding of the important points; In-example

- A description of the notion of a delivery judgement

- Examples of inference rules and infrances of both craination and hypochecking.

- In evaluation, an indication of how value invironments, State and exceptions can be handled. (I would not expect full detail), Also pattern-matching deserms mantin.

- For type checking, an incheation of how type environments can be handled, and in particular how they work with polymorphism.

[19 marks]

Servered Theorem and be inentimied, e.g.:

- Determinacy of evaluation

- No side-effects in futtern matching

- Prmapul types

- Soundness of Imperchecking (i.e. if an expression gets type integer than it will deliver an integer)

6 marks