CHEM1102 2007-J-5 June 2007

• Define what is meant by an "allotrope". Give an example of a pair of allotropes involving (i) phosphorus and (ii) oxygen.

Marks 2

Allotropes are different structural forms of the same element. Examples include:

- (i) white phosphorus and red phosphorus,
- (ii) O_2 and O_3 .