Satteme Engineering 4 mak question 2002

P ZV' AFB paglb)

Safety-critical

Give an example of redundancy in a computer system.

How does this affect reliability, hazards and

[4 males]

A SMEETY-CRITICAL SYSTEM MIGHT ISCHURE PUPLICATE COMPOSENTS SUCH AS A BACKUP PROCESSOR THE IS SUITCHED 1-10 A CONTROL LOSS IF THE MAN PROCESSOR FALS, THIS INPROVES RALIABILITY, BECKUSE THE SYSTEM WILL TO FAL UNLESS BOTH PROCESSORS FAIL AT THE SANK THE IT HAS DO EFFECT OF HAZARDS, WHICH RESULT From KAGTONS EXPERIMENT TO THE IT SHOULD RESULT LICALISED SKITTY, ASSUMING THAT THE SUGUAR COMOL OF THE BOOKUP SINTENTY COMECTY AVOIDS ACCIDENTS THAT MAKE RESULT FROM A FAULT 12 USE PROCESSOR