6 Software and Security Engineering (RJA)

(a) Explain the difference between redundancy, backup and fallback. [4 marks]

(b) Give an example of a failure that cannot be mitigated by backup. [4 marks]

(c) Give two examples of systems where managing redundancy is easy, and two where it is hard. [8 marks]

(d) Can you suggest one or more general principles for distinguishing the cases in part (c) above? [4 marks]