Software Engineering and Design

(a) Describe the roles of (i) use case diagrams and (ii) collaboration diagrams in a UML design. [4 marks]

(b) How would the role of each vary in a project managed according to (i) the waterfall model and (ii) user-centred design? [4 marks]

(c) Which of the management models in part (b) best describes the Cambridge University CAPSA project? Why? [2 marks]

(d) What information is carried between these diagrams in the design process? Illustrate with reference to a researcher requesting University approval to purchase a disk drive from an online catalogue. Include suitable diagrams in your answer. [10 marks]