

**BCS Higher Education Qualification**

**Diploma**

**October 2023**

**EXAMINERS' REPORT**

**Systems Analysis & Design**

**Questions Report:**

<b>Marker name</b>	<b>All markers of section A are required to add comments here:</b>
<b>A1</b>	<p>This question was answered reasonably well.</p> <p>Many answers for part (a) were poor i.e., candidates were not able to draw a logical top level DFD. Some candidates however produced the context DFD instead, some used incorrect notation and some produced activity diagram instead.</p> <p>Part (b): Many candidates produced a sufficient Use Case Diagram. Some candidates however identified too many 'small' use cases or produced a DFD instead. In general, the answers were better than for part (a).</p> <p>Part (c): This part caused some problems and the answers, in general, were insufficient.</p>
<b>A2</b>	<p>This question was the most popular question in Part A. However, significantly less than 50% of candidates achieved a pass mark.</p> <p>Part (a): Many answers were irrelevant e.g. some candidates discussed fact finding techniques or explained four phases. Only a small number of candidates focussed on deliverables.</p> <p>Part (b): In general most candidates described the waterfall model sufficiently well, but only some were able to explain why this model is less popular now.</p>
<b>A3</b>	<p>Significantly more than 50% of candidates achieved a pass mark.</p> <p>Part (a) was answered sufficiently well i.e. many candidates were able to explain the difference between both approaches to prototyping.</p> <p>Part (b) caused many problems and a lot of candidates discussed irrelevant issues e.g. different developer's roles in a typical project, different phases/stages in a typical project, etc.</p>

Marker name	All markers of section B are required to add comments here:
<b>B4</b>	
	The answers to this question were generally of good quality. In Part A, candidates were asked to explain the process of normalisation, but most presented the results without explanation.
<b>B5</b>	
	Answers to Part A were generally good. Part B required the candidates to produce a sequence diagram many presented an activity diagram or statechart instead. In many cases, the discussion of the purpose of sequence diagrams was also a little muddled.
<b>B6</b>	
	The first part of this question dealt with object-oriented development, and this was generally well explained. The second and third parts dealt with statecharts. Many candidates made a good job of these parts too, but some were a little muddled in their explanations and some presented an activity diagram rather than a statechart.