**BCS Higher Education Qualification**

**Diploma**

**April 2023**

**EXAMINERS' REPORT**

**Smart Systems**

**Questions Report:**

| A1 | |
|----|---|
| | Majority of candidates listed uses of smart systems. Whilst some were successful in how they answered it, most didn't differentiate between generations.<br>Less candidates tackled this question – part a) was well covered but there was some confusion as to what the three generations of Smart Systems were. Hence there were poorer responses on part b) |
| **A2** | |
| | Reasonably good understanding of Block Chain technology displayed by most candidates. Also, good coverage of Crypto currencies. A very popular choice for candidates |
| **A3** | |
| | Most candidates understood the purpose/ nature of ANNs. Better responses explored the more unusual uses of AI in part b) but many kept to fairly routine examples and ignored the context of the question i.e. Business and Industry. |
| **B4** | |
| | A popular question – well covered by most candidates, however some gave limited answers beyond a definition. Most answers were just definitions without much context. Cloud Technologies part b) was well discussed and seemed to be reasonably well understood from an ethical perspective. |
| **B5** | |
| | A popular question – well-handled and most candidates covered a deeper awareness of the supporting technologies. Part (b) related to Smart Cities; most candidates covered the obvious usage for traffic systems, but a few went further to include energy management and law and order issues.<br>Probably the best answered question. |
| **B6** | |
| | Very few candidates tackled this question – of those that did there was very minimal coverage of the issues therefore gaining only limited marks.<br>Answered poorly. Not many candidates attempted this question, and those that did, did not score well. |