108學年度第1學期資訊管理研究所博士班資格考

科目:資訊科技與決策理論

1. What are the functions of Language System (LS), Presentation System (PS), Problem Processing System (PPS), and Knowledge Systems (KS) respectively in the generic framework of decision support systems (Bonczek, Holsapple, and Whinston, 1980)? (20 %)
2. Please discuss some Omnichannel Business papers published on Decision Support Systems (Elsevier) Journal.. (13%)
3. Please discuss how the design of individual or group DSS can be used for supporting artificial intelligence based internet of things (AIOT). You first define AIOT and relevant DSS theories to support the design. A system architecture for the design is presented accordingly. (11%)
4. Please discuss the concept of social commerce and how social commerce for a company-based platform can be supported by group support systems (GSS) or groupware in terms of the concept of process gains and losses of the groupwork. Please illustrate this by an example. (11%)
5. DSS/EIS is the supporting tool to top managers for decision making. You may use Mintzberg’s framework (1980) with 10 roles and a classification of three major categories as a guide to design an intelligent DSS/EIS. Please discuss relevant theories and system architecture for supporting the design. (11%)
6. 請歸納近五年本系top tier期刊（如MISQ,ISR,DSS等）中，探討決策支援系統在醫療臨床或機構管理發展之趨勢(33%)。