# Answer ALL questions below related to the following Case Study

Agriculture is an integral industry in the world, but while it may not be the primary industry in the world it is still absolutely important to the world and its population. Top Fresh Foods Inc. (TFF), founded in 1955 in Asia is a large fresh food producer and manufacturer. The company today serves some 300 supermarkets through its distribution centres. It has a wide telecommunications network to keep its produce fresh and 24-hour connectivity with its customers for efficient customer service. TFF also provides technology and consulting programs to its customers to improve the agricultural manufacturing process through the use of Artificial Intelligence. They have received a worldwide accolade for their efficient Research and Development breakthroughs.

1. As a producer and manufacturer it is critical for TFF to serve its customers well by managing all customer data efficiently. The IT Head at TFF plans to implement ERP (Enterprise Resource Planning). Describe the prerequisites of installing an ERP system to the IT Head, with your justifications.

**(10 marks)**

1. As TFF has a large network connection with its customers, the organization may experience IT operations issues in maintaining its infrastructure. Discuss **ONE (1)** IT operations issue that TFF may experience and recommend strategies for improvements.

**(5 marks)**

1. TFF plans to develop a new Artificial Intelligence (AI) Agriculture Harvesting System. Describe the two guiding principles in planning and creating a secure telecommunications architecture to TFF with your justifications.
2. **marks)**
3. In developing the AI Agriculture Harvesting System detailed in question 3) above, TFF has decided on two options: to buy a software package or outsource to a third party. Clearly compare and contrast these **TWO (2)** options and provide your recommendation.
4. **marks)**
5. Disaster Recovery and the resumption of business in the event of a disaster is critical for all enterprises in all industries. Discuss the concept of Business Continuity along with your justifications focused on the importance of this concept at TFF.

**(10 marks)**

**(Total: 45 marks)**