

Question 25 - Transaction Processing Systems.

(a) i) The 'grandfather, father, son' backup procedure shows 3 generations of backups so if information is lost, it can be found even if it was 3 generations old, or only one generation. It is an effective backup method.

ii) They should be tested periodically because they may not work as well as they used to when they were last used. Errors should not be found in any procedure, & in order to prevent errors, they need to be tested.

(b) i) - Only the pies which are made during the current season should be able to be ordered, & then when a new season begins, it should be updated to the new pie

- Orders should be processed straight into the Sales System as soon as they are ordered on the Internet so that staff don't have to re-enter them.

- A TPS should be used to process credit cards instead of doing it manually.



11) - Customers may not order as many pies as they will only see the one from that season, which they may not like.

- Errors from the orders on the website will have to be modified or deleted on the sales system if the information is processed straight into the sales system without being checked by staff.

(c) Security ~~is~~ is a major issue when it comes to online banking. Security measures must be of high quality & very effective in order to maintain a successful business. A major security measure is the use of passwords so that only authorised users may have access to an account. All transactions of money should be recorded so it can be tracked down if possible.

Data accuracy is another major concern. If data is processed incorrectly, funds may not be able to be accessed at a later time. Data

accuracy is also a form of security, as if it is processed using a false name, ~~undesired~~ problems may occur.

Integrity is the reliability, which is also a huge concern when using online banking. If the system is not reliable, then many people may lose large sums of money. This is why integrity issues must be assessed before placing money in an online bank.