a i) Research is needed when developing new technologies as it could result in whether that technology is a success or fallure. Research is essential as when you are developing new lectrologies in most cases movine alot of money. As if There is no research to back up whether it will he work while in research people consider the budget in it being whether or not it will be worth it in the long ron. You must consider the price of Trings when dureloping new technologies and who will fund the project, whether it being government or local support Time management should also be researched when designing es some products could take years with new developments which herefit or not here lit famer or the developee. Research is needed when developing atto something new should consider the purpose of the design whether it will comply with what you are trying to achieve h your Research Re materials and landscape should also be considered when dievolping a new development as you don't want something new to wear away in a year or less, Research is needed to kind the right makeday sultable for the production also the landscape and position of the developing technologies. is it will he suitable for the type of production that is needed

Research also gives you or orthre of what to
consider when designing
- cost of everything of the developing technology, win labour
- how long it was take
- malerials needed
- whether the new developing technologies are suitable
for Agriculture use, whether it be has benefit or not
- who you fund he project
- also he advantages and disadvantages of he man
developing technologies along with a evaluation.
- Research is also something that backs up your development
3
a 11) A newly adopted technology may not be adopted
around Re world by others because as the technology
15 new know one knows whether it will either
beniat Rem or not as people wont normally know
what It is , how it works or al
People are not familiar with the new technology therefore
Sometimes chooses not to have it in certain circumstances
Sometimes People may not have the appropriate Linding
for the new project, which people don't want to pay
for something that they have know tolea what is about
or whether it will be a succes or failure
People may not have heard about the new recent
developments Perefore have no idea to what going on.
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Some Reople may not have the qualifications needed
for that particular technology therfore have no interest
what so ever in adopting it into their fam management.
Another reason maybe that the time in order to take to
build or create Re new development is way to long and
famers prefer to have sonelly nog that Rey are used to which
15 monely labour to as they might helieve that the
time it would take to build it they could of heen earning it.
,
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B) recent developments in computer technology Ratare
used to monthor end manage factors with Agricultural
production are seen to come of an action tage
to fames by reducing cost in labour as now with
Computer technology Fames don't need to have that many
employees working at a time in reduction in labour.
better fam management in all areas around faming
from plant production to animal health due to newly
designed monitoring systems.
More accurate measures of things including live wight,
milling percentage, precision famer.
Some new recent developments such as the
Chobal positioning systems (aps) will help tenent formers
in plant production as these new systems can locate
The best positioning for the growth of these plants, along
with location it could also determine certain weather predictions
which had determined certain seasons in order for the
famor to have an early preparation for eller heavy rain
or Stomms in advance. Coming the awareness of his
new technology howing its Leneth oldo comes its disectuality
as this technology sometimes gives in accorde measures of
landscapes and predictions causing problems with the famer,
May are hard to obtain and can sometimes cost alot of money.
Considering both of Adwardays and dis (SPS) overall
herebb famering in ways as it will leap the awareness level

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Band 4/5 Question 31 sample 2 up telping le foner managem his lord more approprialely. but then again can give in accurate measures. Fames now have invested in the use of precision faming with he faming side of Mings having multiple benefits. Ms technology allows be famer to to plant multiple crops at a certain the without growing on top of each other being. inches apart from each other. Mis is and advantage to a farmer as the farmer can have nothing crops growing at a certain the increasing His profit margin Another would be with such a accurate measure the need for labour is almost reduced to half as faners Just put in the coordinals and Spacing into the computer than it is performed. disadvantages of using his kechnology would be that use it is very expensive and hard to obtain as so many of the hances are working them, becoming more popular, also hard to maintain with regular checkups needed in order to maintain the data and to operate Overall lenelis fle famer as it gives and stores a accurate planting regine for Re famer and hereth the famers economy in the long Nn. Athough getting your hands on one is very hard to obtain and manage with regular clackups reacted Formers have also adopted new no onloding systems with he use of smert gales coming into a data base with regular milhing intervals for cows allowing the famer

to leap a close says on Perr cows lactation periods as on the database it comes up with cows that haunt had Rear nothing or what not with the use of the smort gales allowing a steady of flow and a constant rule at which cows come in and go out allowing cows to be regularly checked upon Reir lactation periods by howing Reir i) number sent to the data base to keep a track record along with Ms monitoring system fames car also have an accurate reading of how many threy of milk out of each quester of the other allowing the farmer to leap on record the percentage each day he mile produced by each cow, will also come up and seperale he will from he ohrs if here Is an infection seen or a parable so it reperates from others to not infect the milk, cowsing a significant loss of money to re faurer If A did happen. disadvartages for Ms monthoding system would be the cost of running the operation also with the development of the system, not only money but here is a possibility of infecting The milk as the monitoring system may miss intected with along with his concern electricity bills also become typer and Neve may be a miss communication between cows ad labels causing the data base to be compt consing a lot of loss in Re faners bulsness and economy. Overall Re monthoring system levely faner as it reduces labour costs of others since the smart gales allow for

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