-Research is needed to evaluate the effectuciness and protoability of the technology. Reas Research 15 needed establish the new technologies Marketing specifications and find out what would be best sorted in the growing monnet. It is also needed to enable the Maximum profit and value in the new technologies rsk. Natural personnes also need Managed and Sustained developing new pe research will allow this. technologies and Rosecunty congrol is also ensured by research before developing the new 91 research The use technology possible the a A come 129001 technological development. and the for many problems from anising from prevents of the technology. the De

Office Use Only - Do NOT write anything, or make any marks below this line.

-1-

Start here.

-2-2011 HSC - Agriculture Band 4/5 Question 31 sample 3 11- when a newly developed technology is introduced it may not be widely adopted because the formers and business enners unamore of the technologies affects on puftability and ability to in the form Technologies business 3 Sich Modification can be rejected appetic beaut Dea of the that if is bood tor environment pindmolas because the the unatural use of transpenic species Echnologies nou also be expensive and time consoming to install, and because of the lave of knowledge the 00 technology, noone Wants to be the nen first try It incase there is pro gained S The technology may also not be midely adopted because of the Jack feedback about the technology. Due the recent introduction of the technology convers about the effects there is Q technology in have on the production Additional writing space on back page.

Office Use Only - Do NOT write anything, or make any marks below this line.

2011 HSC - Agriculture Band 4/5 Question 31 sample 3

Start here. ()-) Computer velocited thechnologies are very highly used in today lociety. In Aqueulture technologies and aquicultural production benefit highly from the cal of computer assistance. Development In these technologies about a more relaxed lifestyle, better management, reduced Stress, reduced labour, better time Management better record keeping and an all round easier way to Manage agricultural production. The use of these technologies Juch as; Robic Millking, & National, Identification service (NLIS) and Westock weather forecasting, 'brings many to agricultural production. penefito Robotic Milking is a recent development in comptex technologies. The Milker uses a robotic arm, and - sensors and Milkers to Milk the cows. Information Such as', Milk yeild, weight of con, number of milkings per day/percon, any impurities or diseases in the millik and omount of milk obtained, is all stored in the intavilt computer in the Machine ter technology automi; benefits 01 The comp Office Use Only - Do NOT write anything, or make any marks below this line

-1-

2011 HSC - Agriculture Band 4/5 Question 31 sample 3

the dairy formers to have a better social life because the whole process of Milking is controlled by the computer, it also the amount 40 reduces stress P INIJA involved to the production of the Milk. Rebotic Milker also allows better perdar management because Mills yeld and of Mill's obtained from each amount is recorded. The cous (Dw. are which saves heighed time 01.50 autous accurate weight recording and formen Relactic milker allows the Mountenance The Milking records and accurate to the computer. MILLING management due recent development in computer Another technologies the NLIS togs. 10 These Identification supernos westock allow complete trauling + control Ivestock. The suptem p becorded 00 computer database and monitors Movement of Agricultural animals such the cattle, sheep, and goats. The use αD of the NLIS tag allows the Jonce of a docape to be found and tracket Additional writing space on back page.

-2-

-3-2011 HSC - Agriculture Band 4/5 Question 31 sample 3 It also allows stoller animals +0 be clentified. The animals information recorded on a computer and accessable when the NUS Scamed. This comparer technology allow the montoring and Mounagement astrahan D and wool production meat disease from spreading and Drevent theft be 40 Manages Use of Internet weather forecasting The the compter can be very beneficial agricultural production system as a farm. With JE fe the such internet weather forecast is easily able farmer Vien 40 weather is predicted, on What the complect. This allows the farmer plar forming for upto The benefits of heek. a rain warmon forecast allows the former to enare young animals are undercover and ofected and also allows the and OV predict when former Soul -10 crop. You may ask for an extra Writing Booklet if you need more space.

Office Use Only - Do NOT write anything, or make any marks below this line.

-1-2011 HSC - Agriculture Band 4/5 Question 31 sample 3 start here. The benefits of a wind forcoust allow windbears to be RF up to protect crops and allow adequate protection for young animals provided. Sheep Graziers 40 be Warnings allow adequate time ensue lambs are protected from 40 the weather. Fertilizer timing can also be managed due to weather normings because the ecosystem Rivernaup would become polled if ferfilier was applied by before Vaenfael. use of computers as records The also prove to be very beneficial for the busiess. Information can be safely stard in the complete and programs with speadsheep and password locks glow the production to benefit greatly from the teasity and organisation This auside management because 17 allows information about animal and part production to be adequately mauntained. USR relates ho com prev Office Use Only - Do NOT write anything, or make any marks below this line.

2011 HSC - Agriculture – 2 – Band 4/5 Question 31 sample 3 technologies are very beneficial 30 aqualtural production because adequate and Management is man yonitoring und Additional writing space on back page.

Office Use Only - Do NOT write anything, or make any marks below this line.