



Question 15 Properties & Performance.

a) There have been many technological advances in machinery in recent years that have had a major impact on the production of textile items.

Two major impacts have been due to the Computer Systems CAD and CAM.

CAD means Computer aided design and

CAM means Computer aided manufacturing.

The CAD System has made the design aspect of textile more efficient economically and time ~~less~~ than ~~normal~~ ~~now~~ as this process. Processes ~~in~~ in past years ~~now~~ could take ~~months~~ months (for example colour of garment, shape, drape etc) can all be tested and seen on the computer screen by the click of a finger. Another advantage to the CAD System is that images and designs can be stored in the computer for modification for later trends.

The CAD System ~~is~~ has decreased the time

in which it use to take to set out and draw pattern pieces. The CAD System ~~also~~ indicates the grooving, ^{production tables} ~~manufacturing~~ pattern size, of all designs.

The CAM System is very efficient in the manufacturing aspect of design. Through ~~the~~ computer data, the CAM System can, organise the price of the ~~next~~ finish garment, and ~~also~~ induce the cutting of pattern pieces.

Through these two technological advances in machinery the production of textile items has become a ~~a~~ financial and time efficient. Making the production of ~~these~~ ^{clothes} rapid and relatively inexpensive.



Part B

The impact that technological advances have had on the changing nature of the industry are obvious.

The industry has undergone many changes in recent years due to technology. With the introduction of the CAM and CAD computers the need for workers in the industry has diminished.

This is not just a trend in the design aspect of textiles, this change has affected factories just as much.

The CAD and CAM System are very efficient forms design and production yet they have taken the jobs away from factory workers, design drawers.

In other words this technology has effected the employment of those who have a hands on ~~experience~~^{duties} in the textile industry.

This is the negative impact that technology has had on the textile industry. However these technologies have also had a positive impact on textile industry as it has created jobs. Jobs that have been created from the increasing technologies are; technicians, skilled/~~less~~ flexible worker whom can cope with the increasing technologies, advertisers, and marketing researches just to name a few. Thus technology has had a profound impact to employment and types of jobs in the textile industry.

The technological advances have also contributed to the new competitive nature of the textile industry. These days the textile industry is very competitive and, thus all the new technology as ~~designers~~ designer are trying ^{to} be time & financially efficient.

However this has put a strain on designers. Designers whom can't afford to make the initial financial loss to buy the machines are incapable of succeeding in the ~~textile~~ textile industry and a loss of diverse designer is a consequence.

However a positive to this is the new and exciting fashions as designer strive to create an innovative fresh new look for their companies.

In conclusion technological advances in machinery have had both negative and positive outcomes for the textile industry, yet one thing is for sure that technological advances have been a major contributor to the ever changing nature of the textile industry.