

World of computers

What do the abbreviations below stand for?

ICT

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IT

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What do the abbreviations mean?

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For each of the fields below, suggest any four applications of ICTs.

Offices

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Homes

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Art, leisure and entertainment

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Security

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Business

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Education

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Health care

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Politics and governance

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Industrial, technical and scientific uses

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What do the abbreviations below stand for?

PPS

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ATM

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EDI

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EFTPOS

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SAMS

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POS

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CAI

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CAL

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CAA

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Define the following terms.

Electronic commerce

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Electronic storefront

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Shopping cart

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State any four benefits of electronic commerce

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Suggest any four limitations of electronic commerce

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Explain any three e-commerce models

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Suggest any three advantages of using ATMs

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Mention any three services offered by the ATM

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List down any three advantages of internet banking

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State any three disadvantages of internet banking

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List down any three advantages of telephone banking

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State any three disadvantages of telephone banking

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State any three applications that require computer measurement.

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Why use computers to measure things? State three reasons

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Where is computer control used? State any three areas

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Why use computers to control things? State any four reasons

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What is a computer model?

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Why are computer models used? Give four reasons

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Mention any three examples of computer modeling

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What is an expert system?

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Where are expert systems used? Give any four areas.

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Mention any three limitations of expert systems.

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Suggest any four tasks handled by robots in an industrial plant.

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Why use computer controlled robots? Outline any four reasons

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Mention any four limitations of industrial robots.

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Explain any five advantages of using ICTs

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Explain any five disadvantages of using ICTs

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Explain any three advantages and three disadvantages of using ICTs in each of the fields given below.

Politics and governance

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Health

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Business

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Education

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Industrial uses

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Entertainment and leisure

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What is green computing?

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State any four practices under green computing that can reduce negative impact on the environment.

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What are the benefits of green computing? Give any five

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Define the term digital divide.

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Why use CCTVs for electronic tracking? State any three

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“Many modern buildings have computer controlled environment systems in place”. Suggest any four components of such a system.

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How are ICTs used to monitor the earth? State any four ways

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Explain any three effects of ICTs on employment.

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Give any three advantages of automated production.

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Outline any three disadvantages of automated production.

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Explain any three health problems associated with use of ICTs

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State any three causes for each of the above problems mentioned.

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Suggest three symptoms and four measures to prevent the above health problems.

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Suggest four situations that can prove dangerous when using a computer.

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What is EMR?

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Suggest two remedies to reduce the risk of EMR when using computers

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Describe the following information processing systems giving examples, advantages and disadvantages where possible.

Batch processing system

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Real time processing system

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Interactive system

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Multitasking system

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Multi user system

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Time sharing system

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Suggest five ethical/social effects of ICTs in society today

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