



English for Computer

By

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English for Computer
(Topic 14-15-16) & Future Trend 1&2/ Interview IT Manager

Reference: Basic English for Computing by Eric Glendinning, Oxford.



Future Trends

Smart Cards:

- Identification.
- High-security access.
- Electronic money.

Robotics:

- Welding cars
- Repairing nuclear power plants.

Virtual Reality:

- Games.
- Virtual Travel.

Q1: Put the words from the list into the correct box.

Address, decode, HTML, Binary, Delphi, Control, execute, JavaScript, C++, Hexadecimal, Data, Decimal, Visual Basic, Java, Store.

Computer Languages	Buses	Number Systems	Machine Cycle.



Q2: What kind of information would you store in the following smart cards:

- 1- A medical card.**
- 2- An identification card.**
- 3- A sports club membership card.**
- 4- An electronic wallet.**

1- Possible information could be written in the medical card are as follows: blood type, allergies, drugs taken, medical history.

2- Information might be stored in the identification card are as following: Name, Address, date of birth and Nationality.

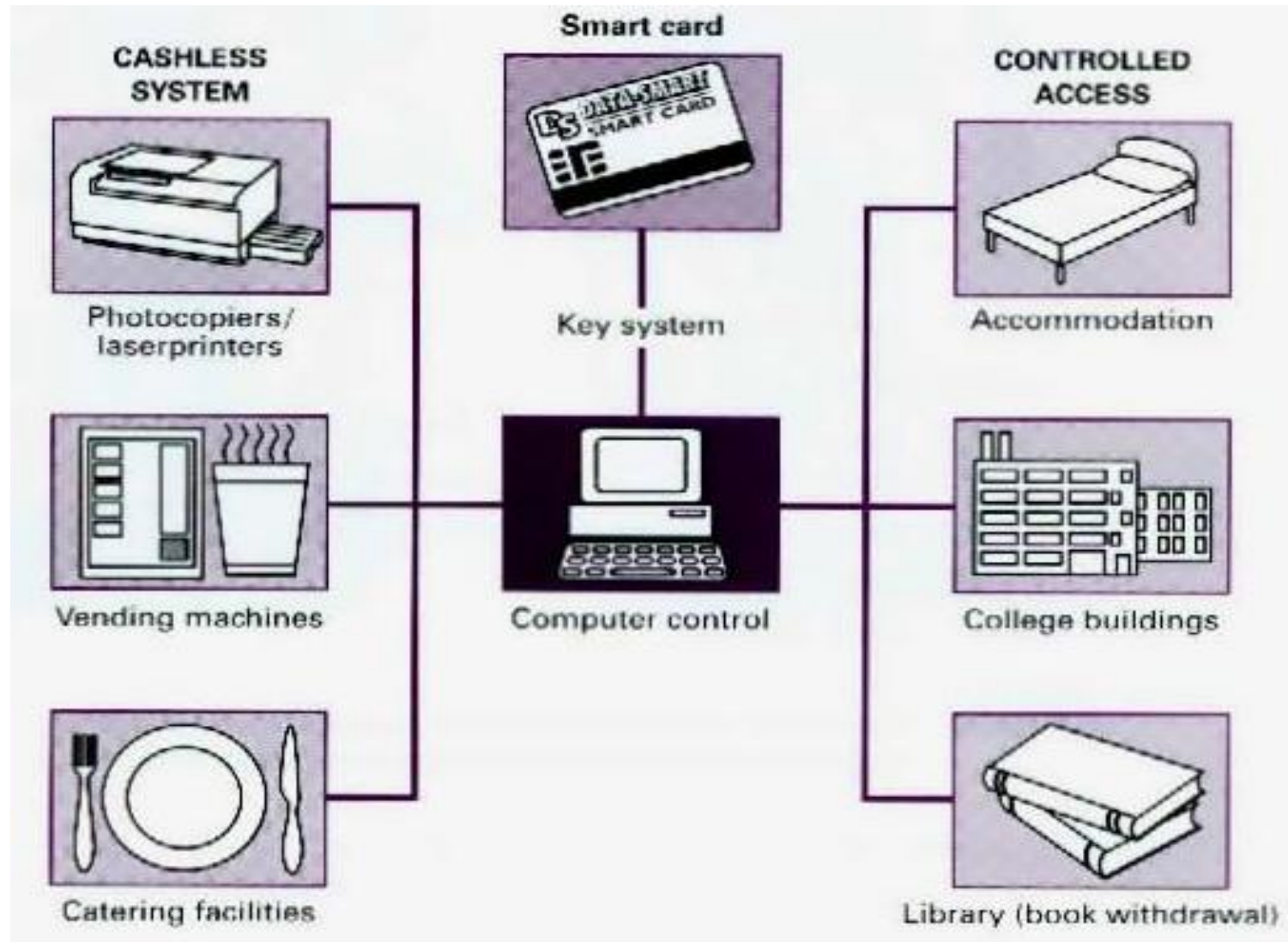
3- Information could be kept in the sport club member card are as follows: Name, Address, number of time you have used different facilities, best performance.

4- Possible information could be written in the electronic wallet are as follows:

Name, Address, Account number, how much money is in the account.

Q3: Speak (or write) the drawn functions in the graph below.

Or: Mention possible computer services.



Q4: Study these predications, tick a correct sign with those you agree with, and cross sign with those you disagree with.



- 1- In 2017, artificial ears will be manufactured for the human being.
- 2- In 2020, videophone which will dial automatically when you tell it the name of the person you wish to call.
- 3- In 2020, electronic implants to stimulate the muscles of disables people.
- 4- Computer touch screen will be unfold from your wristwatch in 2018.
- 5- Computer which writes their own software.
- 6- In 2021, smart cloths which alter their thermal properties according to the weather.
- 7- Robotics pets.
- 8- 2020, artificial lungs.
- 9- 2020, regular manned flights to Mars.
- 10- In 2030 direct connection between human brain and computer.
- 11- 2040, manufacturing artificial human brain.



Language Word: Certainty

In order to know how certain you are EXPRESSING about future events:

	Certain	Fairly Certain	Uncertain
Yes	<ul style="list-style-type: none">•will happen.•is/are going to happen.	<ul style="list-style-type: none">•I think it will happen.•It will probably happen.	<ul style="list-style-type: none">•It may happen.•It could happen.•It would happen.•It might happen.•It is a possibility to happen.
No	<ul style="list-style-type: none">•will not / won't happen.•is / are not going to happen.	<ul style="list-style-type: none">•I don't think it will happen.•It is unlikely to happen.•I don't see it happens	<ul style="list-style-type: none">•It might not happen.•It would not happen.



Q5: Link these words to make predication with would (uncertain).

- 1- Computers / write / own software.
- 2- Implants / stimulate/ muscles of disabled.
- 3- touchscreen / unfold/ wristwatch.
- 4- Clothes/ alter/ thermal properties.
- 5- Robot pets/ require / no food.
- 6-Arificial lungs / help / cancer patients.
- 7- People / be able to / travel to Mars.
- 8- A body chip / correct / poor vision.

Key (other answers are possible)

- 1 Computers would write their own software.
- 2 Implants would stimulate the muscles of the disabled.
- 3 A touchscreen would unfold from your wristwatch.
- 4 Smart clothes would alter their thermal properties.
- 5 Robot pets would require no food.
- 6 Artificial lungs would help cancer patients.
- 7 People would be able to travel to Mars.
- 8 A body chip would correct poor vision.



Q6: Following points are possible 'city' of the future. Make a predication for each point using would (uncertain).

- 1- Fiber-optic links between every house.
- 2- Paper-free education.
- 3- No money used.
- 4- Computers in every house.
- 5- Driver-less public transport.
- 6- Wall-size computer screen for entertainment.
- 7- Houses cleaned by robots.
- 8- Virtual doctors for medical advice.

Key (other answers are possible)

- 1 There would be fibre optic links between every house.
- 2 There would be paper-free education.
- 3 No money would be used.
- 4 There would be computers in every house.
- 5 There would be driver-less public transport.
- 6 There would be wall-size computer screens for entertainment.
- 7 Houses would be cleaned by robots.
- 8 There would be virtual doctors for medical advice.



Q7: Based on the following table answer with True or False or Not Given.

Computer Generation	Dates	Technology
First	1951-1958	Vacuum tubes (Valves)
Second	1958-1964	Transistors
Third	1968-1970	Integrated Circuits (IC)
Fourth	1971	Microprocessor.

- 1. 1942 first electronic computer built.**
- 2. 1947 Transistor invented.**
- 3. 1954 first commercial computer put on sale.**
- 4. 1960 first minicomputer.**
- 5. 1965 ICs introduced.**
- 6. 1971 microprocessor introduced .**



Q8: Study these terms and their meanings:

An insect-sized robot → (a robot which is the size of an insect)

Computer-generated graphics → graphics which are generated by a computer.

Write the meaning of each of these terms:

- 1- An ant-sized machine.
- 2- A head-mounted display.
- 3- Computer-assisted instruction.
- 4- An IT-based future.
- 5- Computer-aided design.
- 6- Computer-aided manufacturing.
- 7- Character-based operating system.
- 8- Write-protected disk.



Q8: Solution:

- 1- A machine which is the size of an ant.**
- 2- A display which is mounted on the head.**
- 3- Instruction which is assisted by computers.**
- 4- A future which is based on an IT.**
- 5- Design which is aided by computers.**
- 6- Manufacturing which is aided by computers.**
- 7- An operating system which is based on characters.**
- 8- A disk which is protected against writing.**