03. Computer

The word 'computer' originated from the English word Compute which implies to do calculation. Earlier computer was used for specially numerical calculations and simplifications, but later its working area was extended. Thus, we can say that computer is the system of electronic device through thus, we can say that computer is the system of electronic device through which various types of information are processed on the basis of a definite which various called program and mathematical (numerical) and non-set of instructions called program are processed.

Development of Computer: The first mechanical computer was developed and fabricated by Blaise Pascal in 1642 and it was called pascalene. But in 1833, Charles Babbage first time conceived and devised an automatic calculator or computer. But even after 40 years hard core working he could not fabricate it ultimately. Although Charles Babbage is called the father of modern computer, the program of computer was first made the father of modern computer, the program of Holereeth succeeded available by Lady Ada Augsta. But in 1880 Herman Holereeth succeeded available by Lady Ada Augsta. But in 1880 Herman Holereeth succeeded and designing a prototype of modern computer of Babbage model. Herman in designing a prototype of modern computer of Babbage model. Herman automatically. The discovery of punch card by Herman Toloreeth and a slight modification provided a special contribution in the development of slight modification provided a special contribution in the development of somputer. This modified punch card is frequently used in all the computers today.

In 1937, the first mechanical computer mark-I was fabricated by Howard Akeen. The computer science developed extensively during the Second World War (1939-1945) and after it all the main theories and principles of the modern computers were developed. In the field of numerical calculations the first revolution occurred in 1946, when J. P. Acert and John Mosheli invented the first electronic computer ENIAC-I (Electronic Numerical Integrator And Calculator) in the world. In this computer electronic valves like diode and triode valves were used as switches. The most outstanding contribution in the development of modern computer goes to John Wan Newmaan who the development of modern computer goes to John Wan Newmaan who brought the second revolution in the area of computer in 1951. He discovered brought the second revolution in the area of computer) and utilised the EDVAC (Electronic Discrete Variable Automatic Computer) and utilised the stored program and the binary number system in the computer.

Computer Generations: Till now five various generations of the computers have been developed and the classification of the generations is basically due to the variant switching components.

basically due	Main computers		
Generation L.Gen.	Period 1940-52	Main electronic tube (vacuum tube)	IBM-700, IBM-1401,
II. Gen.	1952-64	Transistor	18M-1620, CDC- 1604, CDC-3600, ATLAS, ICL-1901.
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Generation Period Main electronic components

III. Gen 1964-71 Integrated circuit (IC)

IBM-360, IBM-360, IBM-360, IBM-360, IBM-360, ICI-2903

IV. Gen. 1971 to Largely Integrated circuit (LIC) APPLE, DCM

V. Gen. Research Optical fiber is going on

Types of computer: Computers are basically categorised on the basic of its sizes and working systems:

- (A) Categorisation based on sizes: On the basis of size computes and of four types:
- (i) Micro Computer: These are computers which are used by a single person, that's why these are also called Personal Computers (PCs). Such computers can be kept on a small table and these are used in offices, workshops and at various private organisations.
- (ii) Mini Computer: These are the computers whose size and working power both are small and even twenty-twenty terminals operate at a time. The working power of such computers are 5 to 50 times greater than micro computers.
- (iii) Main Frame Computer: These are the computers which are larger in size and fabricated in the steel frames. These computers have more memory power than earlier micro and mini computers. By a definite composition of time sharing and multi working power more than 100 persons can operate these computers at various terminals at a time.
- (iv) Super Computer: This is the most powerful computer which can resolute very quickly to all those extremely complex processes and it has a very large storage capacity. Thus it is the most costly and the fastest working computer.

Developed super computers of the world Super computers in India.

Name Fabrication	of the world Super computers in India.
rabrication Ins	titutions Name Fabrication Institutions
Deep Blue IBM Co. U.S.A.	
Blue Gene IBM Co. U.S.A.	Cosmos Cambridge University, of
The dente libra Co. U.S.A.	Cray Kis Cray K Research co; USA
Flo solver NAL, Banglore	Annual Colors Co
Multi Micro IIs, Bangalore	mi, Mumbai
Pram-10000 C-DAC, Pune	Pace DRDO
Pune	Anupam BARC, Mumbai
In super computer 22	Parapath DARC, Mullibar

In super computer 32 or 64 parallel circuits through a microprocessor are connected and on the informations or messages obtained one can work at a time. In it Magnetic Bubble Memories (MBM) or Charge Couple Devices (CCD) are used which have the highest storage capacity and due to these at very small place the largest informations are compressed and processed in the compact form. A special type of air conditioning is also needed and these computers are used only when unlimited random informations appear

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in a very short span of time and all the concerned information and data are processed at a time.

cessed at a computers are today frequently used at various occasions like in Super company used at various occasions like in weather forecasting and in prediction of space research, satellite projection, in computerised nuclear test etc.

Quantum Computers: Despite the above computers a new breed of Quantum

Qua computer is at a second extremely complex problems would be solved out. The scientists have claimed that the quantum computer can be so improved and micro have claimed that this computer can be made more efficient than human

Through the quantum computer very complex problems like Fermat's last theorem can be solved very quickly which takes nearly 300 years by the conventional methods. The Reimann's hypothesis of mathematics which has been remained a unsolved problem can also be resoluted by it. All the important applications of the quantum mechanics have been used in the quantum computers. In quantum computers Q-Bit is used on behalf of the Binary Bits which is a complete composition of zero and one.

Types of computers (on the basis of size)

Name	Size	Storage	CPU speed power	Examples/Utilities sector
Micro Computer	TV set	Upto 256 KB	1-10 MIPS	Personal Computer (PCs), Home computer, Educational computer, Electronic diary or Briefcase computer.
Mini Computer	Small table	256 KB- 80MB	10-30 MIPS	Insurance company, Bank, Industry, Traffic etc.
Main frame computer	Big steel frame	10 MB- 128 MB		Aircraft services, Railway station.
Super Computer	Very larger size	52 MB- 5 512 MB		COSMOS, DEEP BLUE, BLUE GENE, FLO SOLVER, PRAM, ANUPAM
where:	KR _	Kilo Byte		

where;

KB — Kilo Byte.

MB — Mega Byte.

MIPS — Mega Instruction Per Second.

MFLOPS — Mega Floating Operation Per Second.

(B) Categorization based on working system:

According to it computers are of five types:

(i) Digital Computers: These computers transform all the types of informations into a binary system and then operate. Such computers do all the calculations digitally by algebraic addition and can work in a more powerful manner. The specific characteristic of these computers are excellent and accurate numerical calculations.

- (ii) Analogue Computers: In an analogue computer informations the any physical process through the electronic circuits is (ii) Analogue Computers . In all the computers in the computers through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the electronic circuits in the resembled by any physical process through the resembled by any physical process through the resembled by any physical process through the resembled by the resemb resembled by any physical process are resembled by any physical process. Like digital computers which do simple number of the resembled by any physical process. form of electric symbols. Like digital form of electric symbols and electric symbols.
- is of resemblance these computers computers both types of computers (iii) Hybrid Computers: In hybrid computers both types of computers are used today. (iii) Hybrid Computers: http://www.pes.or.computers are used today in the digital and analogue are utilised and these computers are used today in the digital and analogue are utilised under the digital and digital analogue are utilised under the digital analogue are utili automatic operating devices (equipment) working activities are completed is
- (iv) Optical Computers: These computers are fabricated in the sequence of computers of fifth generation. In such computers one component through the optical fibres and calculate of computers of firm generation attached with another component through the optical fibres and calculations done by an extensive optical system. in such computers are done by an extensive optical system.
- (v) Atomic Computer: The research and development activities in this regard is going on at Counnergy University in which any particular proton of the atoms can be adjusted and transformed into an Integrated Circuit (IC). Thus such computers acquire an extremely high memory storage capacity and power and have 10, 000 times more power than the present computers.

Functions of the Computer: There are four technical parameters on which any computer works successfully:

(i) Collection and composition (input) of data;

(ii) Storage of data

(iii) Processing of data

(iv) Retrieval or output of the processed informations and data

These informations or data are in the form of written, printed, listened visible, graphics or in the form of mechanical indications.

Units of computer: There are four main components (units) of a computer:

(i) Input Unit

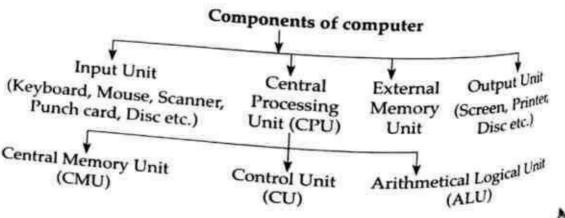
(ii) Central Processing Unit (CPU)

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(iii) External Memory Unit (iv) Output Unit

The data are entered through the Input Unit in the computer and data are arranged and processed through the Central Processing Unit with the help of External Memory Unit. Ultimately by the Output Unit these data of of the computer and (released). The CPU of the computer is called brain of the computer and sometimes CPU is also called Micro Processor of the



parts of Computer: Basically there are two parts in any computer and these are -

(A) Basic Parts :

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Computer Unit or Main Computer : All the activities of the Personal Computers (PCs) are directly controlled by the Central Processing Unit (CPU) or regulated by the system of units. The rear (back) part of this unit is attached with a cable through which Key-Board, Monitor, Mouse, Printer etc. are composed. The Hard Disc and Floppy Disk are also attached inside this unit. These are in the form of Desktop type and Tosswer type :

Monitor: The monitor of the computer is like a television in which the picture appears in the form of dotted points on the screen and these are called pixels.

Hard Disc and Floppy Disc: To store informations or data, a disc is utilized in the computer and it is of two types-Hard Disc and Floppy Disc. The Hard Disc is the permanent disc in the computers while the Floppy Disc is the disc utilised when data or informations are to be transferred from one computer to another. The Hard Disc is larger in size than the Floppy Disc and operates more efficiently. In the front part of the computer there is a frame like structure in which Floppy Disc is suitably adjusted which is called Floppy Disc Drive.

(B) Optional Parts:

Mouse: The mouse of the computer is like the remote control of TV through which the computer is directly regulated (controlled) without utilising the key-board.

Printer: The printer is a device through which prints of any document is prepared or processed and all the printed informations of the computer are obtained. There are various types of printers like Dot Matrix Printer, Line Printer, Colour Printer, Inkjet Printer, Laser Printer etc. The Laser Printer is the most effective and a fine printing technique among all the computer printers but it is costlier than others. The laser printer is like a photocopier (Xerox) machine but the difference is only that the laser printer uses laser beam on behalf of photograph in making the sketch of the Graphics. Also through the laser printer very smooth and fine prints (printout) of the computer are obtained. Through laser printer, 13,000 lines can be printed out in every minute.

Scanner: The scanner of the computer is a device through which the image of the photograph is stored up or processed informations in the computer is made available. This acts like a photocopier machine but a photocopy in the computer is made on behalf of Xerox on the direct paper.

Computer Systems: Computer operates in two systems— Hardware and Software.

Hardware: In any computer all the components and mechanical equipments are called Hardware. Thus, Central Processing Unit (CPU). Internal Memory, External Memory, Input Unit, Output Unit etc are the components of Hardware.

There are two parts of the Hardware computers and other computers like Modern, Printer, Disc, Tape recorders etc with There are two parts of the Hard Land Component of the system, like Modern, Printer, Disc, Tape recorders etc which the system, like Modern devices. he system ectively called peripheral de the complex ectively called peripheral de the complex Software: The programs and instructions supplied to the complex

are called software.

There are various types of software:

- There are various types of the operating system of the computer (i) Operating system: The operating system of the computer (ii) Operating system fabricated and designed for the internal in the computer of the operation of (i) Operating system: The open computer in the internal work is comprehensive program fabricated and designed for the internal work is comprehensive and for the consistent regulation of the components of the co comprehensive program fabricated comprehensive program fabricated regulation of the components of the system.
- tem.

 (ii) Language processor: The user of the computer utilises a particular to run the computer which is called 1. (ii) Language processor: The computer which is called Language and specific program to run the computer which is called Language processor.
- cessor.

 (iii) Application program : The programs selected by the computer of (iii) Application program

 (iii) Application pro user and which are convenienced which are enlisted at the Menu are called Application program.
- (iv) Subroutine program: The programs which are repeated again and again and which are small in size are called subroutine programs.
- (v) Utility program: The programs composed with the operating system of the software computer and which appear again and again in various programs are called utility programs.

Languages of computer: There are various languages of the computer but broadly they can be classified into three:

- (i) Machine code language: In this language every instruction has two parts—Operation code and Location code; both are represented by 0 and 1. In the earlier days of computer 0 and 1 were used by the programers in instruct the computer. But this language was time consuming due to which Assembly and others high level languages were started to use.
- (ii) Assembly language : In this language a code which can be remembered easily was used and it is called memoric code like ADD to Addition, SUB for Subtraction, JMP for Jump etc, but this language was used for a definite type of computer. Thus, like machine code language, assembly languages were also called low level languages.
- (iii) High level languages: The total contribution in the development of high level languages goes to IBM company and the first high level language FORTRAN was developed by this company. Later hundred of such languages were developed. These high level languages are ven similar to other ordinary languages which are spoken and written by human beings.

Some high level languages :

(i) FORTRAN : It is an abbreviation of the English letter Formula Translation. This is the first high level language developed by J. W. Beke in 1957 who was a computer personnel in the IBM company. This language was developed for solving the mathematical formulae very quickly conveniently.

- (ii) COBOL: It is an abbreviation of Common Business Oriented Languages and this language was developed for the commercial purposes. For the processing of this language a group of sentences is selected which is called paragraph and all the paragraphs composed are called a section, while all the sections composed are called a division.
- (iii) BASIC: It is an abbreviation of Reginners All Purpose Symbolic Instruction Code. Earlier all the high level languages are used completely or in other words complete program of the respective high level languages were inserted in the computer but in Basic a definite part of the prescribed instruction is only inserted in the computer.
- (iv) ALGOL: It is an abbreviation of Algorithmic Language. This was basically fabricated and designed for the complex algebraic calculations.
- (v) PASCAL: It is an amplified and modified form of ALGOL. In it every variable has been defined and it is different from ALGOL & BASIC. Its name was given by Blaise Pascal.
- (vi) COMAL: It is an abbreviation of Common Algorithmic Language and this computer language is used for the students of secondary level.
- (vii) LOGO: This language is used for children and kids for drawing Graphic line diagrams.
- (viii) PROLOG: It is an abbreviation of Programing in Logic. This language was developed in 1973 in France and this language is used for Artificial Intelligence which is capable and equivalent to the logical program.
- (ix) FORTH: This language was invented by Charles Mure which is frequently used in the all types of works in the computer.

In all the high level languages one resemblence is seen and observed that in almost all English capital letters A, B, C, D, E, etc and Indo-Arbian digits, 0, 1, 2, 3, are used.

Some others high level languages are PILOT, C, C⁻⁻, Lisp, Unix, Linus, Ada, PI-1, SNOBOL etc.

Main Languages of various generations:

Mai	Generation	Languages
I.	Gen. (1940-52)	FORTRON - II, ALGOL-60, COBOL, LISP.
11.	Gen. (1952-64)	ALCOLW ALCOL-68, PASCAL,
Ш.	Gen. (1964-77)	CT ATT A 57 APL SNUBUL, TEL
IV.	Gen. (1971 to update)	CLVE, ALFARD, UCLID, REFORMED PASCAL, MODULA, EDA, ORACLE.
W	Con (Future onward)	Artificial Intelligence Languages.

V. Gen. (Future onward)

Computer virus: The computer virus is an electronic code which is used in abolishing (eradicating) the inclusive informations or programs of the computer. The computer virus can be injected into the computer through any telephone line and it is in fact a coinspiracy through which wrong informations transmit and all the collected and stored programs

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of the another computer attached with this network can be completed or destroyed. Such computer viruses can also be spread by fine bad or destroyed by fine can be found anywhere in any completely of the another computer attached of the another computer viruses can also be spread by flood vanished or destroyed. Such computer viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and these viruses can be found anywhere in any computer with the page and the p of the another of the another the spread by flore vanished or destroyed. Such companies of by flore vanished or destroyed. Such companies of the another the spread by flore vanished or destroyed. Such companies of the spread o exchange and these viruses can be exchange and the exchan any identification where they have a security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone and arrangement by the check its unwanted spread electronic security zone are specifically as a specific security and the check its unwanted spread electronic security are specifically as a specific security and the check its unwanted spread electronic security and the check its unwanted spread electronic security and the check its unwanted spread electronic security are specific security and the check its unwanted spread electronic security are specific security and the check its unwanted spread electronic security are specific security and the check its unwanted spread electronic security are specific security and the check its unwanted spread electronic security are specific security and the check its unwanted spread electronic security are specific security and the check its unwanted spread electronic security are specific security and the check its unwanted spread ele been developed.

Some important computer viruses are Micheleanjalo, Dork Avanga, Scores, Casecade, Jeruslem, Date crime, Colon, Col Some important computer.

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Avango, Dork Avango, Kilo, filip, Macmug, Scores, Casecade, Jeruslem, Date crime, Coloumb, Kilo, filip, Macmug, Scores, Casecade, Jeruslem, Date crime, Coloumb, kilo, filip, Macmug, Scoles, Colon EXE, COM-EXE, Marizuana, Colonno, crime, Internet virus, Pachcom, Pach EXE, COM-EXE, Marizuana, Colonno, Change Mungu and Desi etc. bloody, Chenge Mungu and Desi etc.

Micheleanjalo virus was first seen in 1993. The first computer virus was first seen in 1993. The first computer virus which appeared for the first time in Chennai in 1000 Micheleanjalo virus was Management for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India is C-brain which appeared for the first time in Chennai in 1988 An India in Ind India is C-brain which appears and a special arrangement to make the make the petworking safe from the computer viruses. computer and its networking safe from the computer viruses.

Computer Networking: The use of computer networking is new but due to its many uses and benefits it has become customary in the composition of computer and telecomputer due to its many uses that composition of computer and telecommunication world. Basically by the composition of computer and telecommunication technique, the networking process has originated. Computer networkings a mutual technique to compose various computers and the powers of these computers are collectively utilised.

There are two types of networkings which usually occur—Local Area Networking (LAN) and Wide Area Networking (WAN). By LAN all the computers of the same building are connected like the computers of the university premises, computers of the offices etc. But by WAN all the computers of a large area are connected like the computers of all the offices of a city or town etc. In India a very large computer network namely INDONE has been installed through which all the main towns and cities have to be interlinked.

Important facts related to computers :

- Charles Babbage is called the father of computers.
- John Wan Newman has made the most outstanding contribution in the development of computer.
- The modern computer was first invented in 1946.
- The great revolution in computer came in 1960.
- In the whole world the total number of computers are the largest # USA and then Japan, Germany, UK and France have their respective positions. India stands at the nineteenth place in this chronological order.
- Computer literacy means— what computer can do and what it an
- In November 13 celebrated as the computer literacy day In November 1984 the Government of India announced the new
- computer policy. The first computer fabricated and designed in India was Siddharthal and it has been fabricated and designed in India was stored of India. of India.

- The first computer of India was installed on 16th August, 1986 at the
- The first computerised post office was installed at New Delhi.
- The first pollution free computerised petrol pump was installed in
- The first computer university of India was Rajiv Gandhi Computer
- The first computerised reservation system of India in the railways was
- Silicon Valley of India is located in Banglore.
- The first Indian newspaper available on the Internet is the Hindu, while the first Indian magazine available on the Internet is India Today.
- Among all the political parties in India BJP is the first party which has its own website on the Internet.
- There are three broad categorization of computer— digital, anologue and hybrid.
- The computer which does arithmetical (mathematical) calculations is called digital computer.
- > The digital and the anologue computers jointly form the hybrid computer.
- The mini computer is the computer of middle size.
- > The super computers are those which work ten times faster than an ordinary computer.
- > In a super computer nearly 40,000 micro computers are assumed to be internally composed and in it calculations are done in megaflop.
- > The first computer of the world was CRAYK-IS which was fabricated and designed by an American company Cray K Research in 1979.
- The Deep Blue is a computer which can work alone equivalent to 32 computers and through the Deep Blue in 1 second 20 crore multi option in the chess can counter the game plan of the opponent. Deep Blue was the computer through which chess world champion Garry Kasprov was defeated by Vishwanathan Anand.
- The first electronic digital computer of the world is ENIAC.
- The first largest computer network of the world is INTERNET.
- > There are five generations of the computer which have till now been developed.
- In first Gen. computer vacuum tube diodes and triodes were used.
- Almost all modern computers use semiconductors in which memory are stored up.
- There are eight composer in the computer board.
- 1 Kilo Byte (KB) = 1024 Byte, 1 Mega Byte (MB) = 1024 Kilo Byte (KB).
- 1 Giga Byte (GB) = 1024 Mega Byte (MB).
- For the search of instructions and processed programs a specific language SNOBOL is utilised.
- Most frequently used operating system is WINDOWS.
- ➤ USENET is a technique to compose a system through which all the universities are accessed to each other.

- > When a subscriber of Internet network is attached electronically with the network then it is called Gateway.

 Postium TV
- > The latest microprocessor of the latest mic
- Computers (PCs).

 The author of the computer book Soul of new machine Tassi Kecdar go
- ➤ The first computer magazine was Computer and Automation.
- ➤ The first computer magazine was
 ➤ According to scientists, the Indian language Sanskrit is the host
- > The instructions or programs enlisted in the computer are called
- The storage of the records is called File.
- ➤ The storage of the records.
 ➤ The working system of the digital computer is totally based upon the
- The first practical digital computer is UNIVAC.
- The first practical digital computer language
 The FORTRON has been developed as the first computer language
- COBOL which is a high level language is like the English language
- In COBOL the most suitable documentation is possible.
- ➤ The assembly language of TRANSLATOR which is converted into the machine code is called Assembler.
- > The translated program which is simply the transformation of a high level languages into a lower level language is called compiler.
- > The language BASIC is the mastermind of all the languages like FORTRON, ALGOL, PASCAL etc. which can be directly learned from BASIC.
- The microprocessor is the computer of the fourth generation.
- PROLOG is a language of the fifth generation Gen. Computer.
- > The Integrated Circuit (IC) chip on which there is a layer (coating) of silicon was developed by J. S. Kilvi.
- The impurity in the computer is called Bug.
- ➤ In 1988 C-DAC (Centre for Development & Advanced Computing). Pune was established. The scientists of C-DAC fabricated a computer called Pram-10,000 which can calculate a billionth of billion in a fraction of a second. The outstanding contribution in the development of Pram-10000 goes to Dr. Vijay P. Bhaskar.
- The first super computer FLOSOLVER was developed first in India and fabricated by the National Aeronautics Laboratories (NAL) Bangione
- The nuclear tests on the computer are called subcritical test.
- Laser printer is the most effective and powerful printer among all > IBM (International Business Machine) is an American computer company.
- The computer virus is a manmade digital parasite which is also called File infectioner.
- Y-2K problem or year 2000 crisis was a computer problem related to the date and year in which all the rightmost digits became zero. The 1-16 crisis is also called a millenuim bug.

Modern is Modern is a Modern i Modeline and it operates on the telephone line. electronically

electronically

The network of internet where a special type of information, program

available is called a site.

The informations or messages through any network near or far can The intollinated on their own network by the modem is called Download.

But if the informations or messages are sent from their own network to any other network by the modem, then it is called Upload.

In any computer or in its Hard Disc or in running programs if any discrepancy appears then it is called a Crash in computer.

The development of the computer began in 1955 in India.

IISc (Indian Institute of Science), Banglore has developed a multi languages computer whose touchscreen has been named simputer and through this computer, village to village computer compaign has brought a comprehensive revolution.

India's first computerium has been established at Banglore.

- ➤ India's first fully computerised village is Bellanad in Thiruvanantpuram district of Kerla.
- > Personal Computer (PC), Home computer, electronic diary (Briefcase computer) etc are examples of micro computers.
- > Some customery operating system of micro computers are-CP/M, MacOS (Apple), DOS, Pro DOS, MS/DOS/p.c. DOS, XENIX, UNIX, WINDOWS, LINUX etc.
- The speed of CPU is called clock speed.
- > The instructions given by the computer user or computer operator is called command.
- The computer networks attached electronically by various networks of the computer of various places of the world through telephone lines or satellites is called INTERNET.
- In the Internet full informations are stored up in the computers and in the technical language it is called web server.
- The inclusive informations of every computer is called Home page.

Computer Terminology:

Application program: A program which is performed for a definite work is called application program. Like work processing or database management or software of Accounting work etc. Here for the word processing MS word, for database visual FOXPRO, for designing Adobe photoshop and for accounting Tally are application programs and these are called softwares.

Bit: The bit is a unit of measurement of the electronic data. One bit is either 0 or 1 but both never. One bit depends on the number which clearly indicates how data can be stored up within it. On composing 8 bits, 1 byte is formed.

Boot: The starting work done by the operating system in any computer to bring the computer in full working condition is called boot.

Bug: Bug is the error in the computer program or system and in eradication is called Debug.

If any computer starts to supply wrong or faulty programs then it is said that there is a bug in the program.

Byte: Total eight bits compose a byte.

Thus, 8 bits = 1 byte.

Cache: This is also a type of memory which is utilised for temporary storage. In it those data are kept which are frequently used. Due to it the processing rate of computer increases. Cache is of various levels and it acts like a bridge between the processor and Ram and through it the speeds of processor and Ram can be balanced.

CD-ROM: A CD like a music CD in which data can be stored substantially is called CD-Rom. In a CD with comparison to floppy disc a lot more data can be stored but one problem in it is that one-time recorded data cannot be deleted or modified. Also on CD to write and to read there is a need of CD-drive and writer.

Chip: It is a thin slice on which by a special mechanism a circuit is designed which is normally made of Silicon. At present on behalf of silicon, Galium Arsenide (GaA) Chip and Protin chip (bio chip) are being prepared and research and development activities are going on for another.

Computer Program: For the working of the computer the group of instructions written in low or high level computer languages are called computer program.

Compiler: The program which converts high level languages into the languages of machine is called compiler.

CPU: This is Central Processing Unit and it is called heart-mind of the computer. It is basically a chip attached to the mother board of the computer and the complete main processing are confined here.

P-III, P-IV, AMD Athlon etc. are the examples of CPU.

Curser Key: The button on Key-Board on which there is a symbol of an arrow is called cursor-key. It is used to move cursor on the screen.

File: The collection of data which are saved for a particular name is called File, like salary sheet of any person, any song MP3 etc. are the examples of

Database: The collection of data in which from phone book to inventory management of any company are enlisted and enclosed are called

Error Message: The messages displayed by any software in which some error has been detected is called error message.

Floppy Disc: It is like a tape recorder cassette in which data are stored up but it is very small and convenient to carry out. Today the floppy disc

Giga Byte: 1024 Mega Byte (MB) is called 1 Giga Byte (GB). Thus, 1 Mega Byte = 1024 × 1024 Bytes.

Today the fabricated Hard Discs have the capacity in the order of Giga Bytes.

Graphic User Interface- (GUI): It is a visual interface in which files, commands, softwares etc. are displayed in the form of icon (graphical trace). These graphical traces are selected and utilised by any mouse like pointing device. Graphical user interface windows is available in atmosphere which

Hacker: If anybody damages or produces error in the computer knowingly then this is called Hacking and the person is called Hacker.

Hard Disc: It is a data storage device which is kept inside the cabinet and through it a large amount of data are collected and stored. Also Hard Discs are of different shapes and sizes to enable the user to select it appropriately.

Hardware: The mechanical part of the computer which can be touched physically is called Hardware. Monitor or Key-Board is the example of a

Icon: The small graphical traces displayed on the screen which may represent any program, commander file is called Icon.

Mega Hertz (MHz): 1 Mega Hertz represents 10,00000 cycle per second. If a micro processor has the working capacity of 200 MHz it means it will run with 200 00 00 00 cycle/second. This also tells us how powerful microprocessor is ? The speed of the microprocessor is measured in clock speed.

Memory System: The place where computer data and program are temporarily kept is called Memory system. Usually memory is implied from

Modem: The device which converts the digital signals into the anologue signals and vice-versa is called Modem. In fact this device (Modem) is utilised in connecting computer through the telephone lines. Modem is also utilised in the connection of internet.

Mother Board: Inside the cabinet of the computer there is a board on which CPU, Memory etc. circuits are connected. It is called Mother Board and on it some other cards may also be attached.

Network: The net of various computers in which computers are interconnected by cable or any medium is called Network. The main advantages of Network is user file can be utilised or shared by another user.

Operating System: The software which is capable of doing work by some fundamental means is called operating system. In the fundamental system operations all the activities like to read, to write about data, resources management etc. are assumed under the operating system.

Peripheral: The Hardware devices which are attached to any computer additionally are called peripheral. Basically these are not parts of the original computer.

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Pixel: The smallest part of any image is called pixel. A pixel of a month of bixels then a large number of bixels the large number of bixe Pixel: The smallest part or any mage.

Such various dots compose an interest of a large number of pixels then the quality of a large number of pixels then the quality of pixels the pixels the quality of pixels the is represented by a very small dot (.). Such that the quality of an indicator with the quality of

image will be fine.

Pointer: The component in the form of an indicator which is attached controlled through it, appears on the computer send controlled through it. Pointer: The component in the form of the computer of the to the mouse and controlled through it, appears on the computer screen in the mouse in the direction in which the mouse in the direction in the direction in which the mouse in the direction in the dir to the mouse and controlled through the direction in which the mouse per called pointer. The pointer moves in the direction in which the mouse per

Port: This is basically a connector which connects external devices. Port: This is basically a control through the mother board. In a particular computer there may be different through the mother board or serial port or USB port.

RAM: It is Random Access Memory (a place) where processed data are kept temporarily and it is a unstable memory. As power is cut through the computer its contact is automatically ended and the memory is lost

ROM: It is Read Only Memory and it is stable or non-volatile memory which doesn't end if power stops.

Reboot: The Booting means to start computer from the rest while Rebooting means to start computer once again which is not in rest. Usually the process of Reboot occurs when the computer automatically stops due to any reason or any software is installed along the parallel etc.

Sound Card: It is a card which is attached with acousting working in the Personal Computer (PC).

Scanner: It is a device through which graphic image is transformed to the digital image and the scanners are of usually two types : one is desktop

System unit: The box like cabinet part of desktop PC is called system unit and inside it mother board and another chips are attached.

Touch Screen: The computer in which by touching monitor, instructions are given on behalf of Key-Board.

Virus: A software which is fabricated to damage data by any means is called computer virus. Normally virus tends to damage the files by entering

Abbreviations related to computers

	Farcis
ALU	Arithmetic Logic Unit.
ALGOL	Algorithm: A
ASCII	Algorithmic Language.
BASIC	American Standard Code for T
	American Standard Code for Information Interchange. Beginner's All Purpose Symbolic Instance.
BCD	Beginner's All Purpose Symbolic Instruction Code. Binary Coded Decimal Code.
BIOS	Binary Coded Decimal Code.
CPU	Dasic Input Output System
	Central Processing Unit.
CAD	Computer Aided Design.
CAM	Community Aided Design.
CAT Scan	Computer Aided Manufacturing.
	Computerised Axial Tomograph C
COBOL	Common Business O
	Common Business Oriented Language.

Compact Disk

Common Algorithms 1 Common Algorithms 2

COMAL Common Algorithmic Languages.

Disk Operating System.

Desk Top System.

Desk Top Publishing.

E-Commerce Electronic Commerce.

E-Mail Electronic Mail

ENIAC Electronic Numerical Integrator And Calculator.

FAX Facsimile Automated Xerox.

FLOPS Floating Operations Per Second.

FORTRAN Formula Translation.

HIL High Level Languages.

HTML Hyper Text Markup Language.

IBM International Business Machine.

IC Integrated Circuit.

ISH Information Super Highway.

LAN Local Area Network.

LDU Liquid Display Unit.

LISP List Processing.

LLL Low Level Language.

MICR Magnetic Ink Character Recognizer.

MIPS Millions of Instructions Per Second.

MOPS Millions of Operations Per Second.

MODEM Modulator-Demodulator.

MPU Micro Processor Unit.

NICNET National Information Centre Network.

OCR Optical Character Reader.
OMR Optical Marker Reader.

PC-DOS Personal Computer Disk Operating System.

PROM Programmable Read Only Memory.

RAM Random Access Memory.

ROM Read Only Memory.

SNOBOL String Oriented Symbolic Language.

UPS Uninterruptable Power Supply.

VDU Visual Display Unit.

VLSI Very Large Scale Integrated.

WAN Wide Area Network.
World Wide Web

Objective Question

		6.55
	Who is called the father of com	puter ?
1.		
	(c) Wales Pascle	(d) Wan Newmaan tion in the development of computer (d) Charles Babbage
	(c) Water anding contribu	tion in the devol-
2.	The most outstanding	are development of co
	given to —	(b) Charles B
	(a) Herman Holerith	(b) Charles Babbage
	(c) Wales Pascle	(d) Wan Newmaan
3.	The most outstanding contribut	ion in the development of the blue phin
	of the first digital computer goe	es to:
	(a) Herman Trons	The second of th
	(c) Wales Pascle	(d) William Buros
4.	The first modern computer was	invented in :
	(a) 1946 (b) 1950	(c) 1960 (d) 10-
5.	What is the full form of e-mail?	(4) 1965
	(a) Electronic mail	(b) Electric mail
	(c) Electromagnetic mail	(d) None of these
		/Arm-
6	The written material (recorded	in the chip) which is
	The written material (recorded operation of computer like em	ployed program, direction and other
	computer related activities is cal	led:
	(a) Software	(b) Hardware
	(c) Network	(d) Firmware
7	The controlling unit of the comp	
	(a) Printer (b) Keyboard	A A management of the contract
8.	, , , , , , , , ,	
:3654	The brain of the computer is call (a) Memory (b) Keyboard	ed:
9.	What can be sent through video	(c) CPU (d) Hard disc
	(a) Graphics	
	(c) Video messages	(b) Video clips
10.		(d) All of these [MPPCS (Pre) 200]
10000	The computer hardware which ca called:	an store a very large amount of datas
	(a) Disc	TWIN TANKS
	(c) Magnetic tape	(b) Chip
11.	Who developed the	(d) None of these
	Who developed the integrated cir (a) C. V. Raman	rcuit chip ?
	(c) J. S. Kilvi	(b) Robert Nayak
12.	The layer on the in-	(d) Charles Babbage
	The layer on the integrated circuit (a) Silicon (b) Nickel	t chip (IC) is made of:
,12.	The layer of the	(c) Iron (d) Copper
	The layer of the magnetic disc is r	nade of :de
	(c) Magnesium	(b) Phosphorus penta
14.	The length of the	(d) Sodium peroxide
	The length of the word through wh	(c) Meter (d) Milimeter
	(b) Bit	(c) Meter (d) Mill

	Which one of the following is m (a) Intensity of the earthquake	easure	ed in Megaby	257
	(a) Interistry of density (b) Population density		Guby	re:
	(c) The capacity of power exper	nd:		
h.	(d) The memory power of the o	naitur	e	
$hp_{Ule_{f_{k}}}$	(d) The most of carrying out com	ompu	ter	
· W	The process of carrying out com (a) Fetching (b) Storing	mand:	s is called :	
			Decoding	(d) Executing
hie	17. One kilobyte (1 KB) is equivalen	t to:		[MPPCS (Pre) 2011]
lue print	(a) 1000 byte (b) 1024 byte	(c)	10000 1	
	which of the tollowing is not a s	earch	engine 2	(d) 100000 byte
	(a) Google (b) Altavista	(c)	Science di-	
			Science dire	ct (d) Orkeet
	19. The memory word of the compu	ter is	associated	[MPPCS (Pre) 2011]
	(a) Logic (b) Control	(c)	Input	
	20 Computer hardware which can	store	trom: 1-	(d) Storage
	20. Computer hardware which can called:	store	very large a	imount of datas is
	(a) magnetic tape	(b)	disc	
e) 2011	(c) both of these	A Committee of the Comm	None of these	201
or the	21/Size of virtual memory depends	on:	rione of these	Få
other	(a) Address lines (b) Data base	(c)	Disc space	(d) All of these
	SO WAY BE STREET TO THE TOTAL TO STREET	020		[MPPCS (Pre) 2011]
	The digital computer operates or			
	(a) calculation		measuremen	nt
	(c) electricfication	(d)	logical	
SC	The fastest printer in the comput	er is :		
	(a) Laser printer	(b)	Jet printer	
9C	(c) Thermal printer	(d)	Dazy wheel	printer
	24. Super computers are different fro	m oth	er computer	s in respect to:
	(a) extremely high cost		aircondition	
2011	(c) simplification capacity and la			-
ta E	(d) multipurpose use			
	25. The system used in the modern d	lioital	computer is	called:
		(b)	decimal digi	tal system
	(a) binary digital system(c) analogue calculation system	(4)	none of thes	e
	26 Maria I	(4)	G-l	o of the computer?
	26. Which one of the following is the (a) BASIC (b) COBOL	(c)	FORTRAN	(a) PASCAL
	27. The computer language FORTRA	Nisf	requently us	ed in the area or :
	(a) business (b) graphics	(c)	science	(d) commerce
	28. The commutation (b) graphics	0 11006	ul for:	
	28. The computer language COBOL i	del (I-)	the graphics	work
	(a) the business work		Alama of thes	e
	(c) the scientific work The computer language which i	(a)	None or the	n the commercial
	ine computer language which i	s spec	cially used i	eta
nt -	activities is—			(d) PASCAL
	(a) FORTRAN (b) BASIC	(c) (COBOL	197

-				,
30.	The first computer language (a) FORTRAN (b) PASCA	develope L (c)	d for the prog COBOL	ram is:
31.	The high level computer lan	guage like	English lange COBOL	uage is:
32.	(a) FORTRAN (b) PASCA Through which one of the for documentation is possible? (a) FORTRAN (b) COBO	ollowing c	omputer lang	uages most beau
	(a) FORTRAN (b) COBO	(c)	PASCAL	(d) C
33.	(a) FORTRAN (b) COBO The language which is necess ALGOL, PASCAL etc. is (b) BASIC	sary to lea	rn the langua	ge like FORTRA
	(a) C++ (b) BASIC	(c)	COBOL	(4) 1
34.	(a) C++ (b) BASIC The program language used is:	i for the o	computer scie	(d) None of these entific calculation
	Which one of the following was language? (a) commercial activities (b) scientific calculation (c) teaching the children (d) understanding the simp	le languag	te at initial sta	n the use of BASK
36.	The language which the computer of	puter und	erstands and	throughout
	processing in the computer of	Accurs 15 C	aneu:	
	(a) American language	(b)	Machine lan	guage
	(c) Secretly decoded langua	ge (d)	None of these	0
37.	Who was the inventor of cor	nputer lar	iguage JAVA	?
	(a) IBM		Microsoft	
	(c) Sun Microsoft		Infosystem	
38.	Most of the computers can u (a) high level instructions (b) BASIC which resembles (c) any language	like Engli		e
39.	The computer grid is:	15 15		
	(a) a hardware component	of the com	puter	
	(b) a software inner structur are attached	e in which	a number of	calculative system
	(c) a primitive prototype of(d) a hardware component research	of long hy	dron assembl	
40.	The software windows soft by:	ware has	been fabricate	ed (manufacture)
	(a) IBM	(la)	Apple corpo	ration
120	(c) Wipro	(6)	None of thes	se
41.	The Oracle is:			
	(a) an operating system	(b)	a word proce	essor software
	(c) a database software	(4)	None of thes	e

200		
55.	Which one of the following is ca	alled Information Gateway:
	(a) E-mail	(b) rager
	(c) Cellulor phone	(d) Internet
56	Who is called the father of E-ma	ail ?
200	(a) Bill Gates	(b) Timothy Bill
	(c) Linkan Golitsberg	(d) Rey Tomlinson
67	The first computer in India was	installed at :
57.	(a) IIT Delhi in 1973	(b) IISc Banglore in 1971
	() HCCO: 10/F	(d) ISO Kolkata in 10cc
58.	Which one of the following technology?	is permitted under the bluetooth
	(a) Wireless communication bet	
	(b) Only Signal transmission on	
	(c) Mobile phone communication	
	(d) Satallita talovision communic	ication
59.	Through which one of the follow computer is measured?	ication [CDS 2010] wing the speed of the processor of the
	(a) BPS (b) MIPS	(c) BOD (d) Hz [SSC Graduate Level 2010]
60.	The full form of www is:	2010]
	(a) web working window	(b) window word wide
	(c) world wide web	(d) world working wat
		(d) world working web
	What is the meaning of RAM in to	(b) Parallel computer?
- 1	(c) Read And Memory	(b) Random Access Memory
62.	CPU implies :	(d) Recall All Memory
	(a) Control and Primary Unit	0.1.6
ĺ	(c) Computer and Process Unit	(b) Central Processing Unit
63. (CAD implies :	(d) None of these
(a) Computer Algorithm for Desi	****
(b) Computer Added Design	ign
(c) Computer Application in Des	
(d) None of these	sign
	he full form of IBM is:	
(a	a) Indian Business Machine	
(t	o) International Business Machine	
(c) Italian Business Machine	ne
65. TI	he CD. POM	(d) Integral Business Machine
10	he CD-ROM stands for—	5 - Statiess Machine
(h	Company Disc - Read Only Memor	rv
	The state of the s	mory
00. W	nich one of the following produc	cte ie - 1 i
of	pentium brand :	ets is sold in the market by the name
	white citip	
(c)	Computer	(d) Computer chip
	1201-2201	(d) Microprocessor
(a (b (c) (d, (d, of of (a)) Core Disc - Read Only Memor) Compact Disc - Read Only Me) Circular Disc - Read Only Me) None of these	ory

	Who was the inventor and founde (a) Bill Gates	r of	www?	
	was the inventor actor	(b)	Lee N. Fiyor	ng
4	Who was the (a) Bill Gates (a) N Russel	(d)	Timbernrus	
0/-	(a) Bill Gates (c) N. Russel	8	10000	[UPPCS (Pre.) 2004]
	(c) N. Russ Yahoo, Google and MSN are: Yahoo, Google and MSN are:			
	- ANSIVALE.	41		rand
100	Yahoo, Google as (a) Internet sites (a) artches made of Switzerland	2011206	computer bi	
68	(a) Internet smade of Switzerland	(d)	the ring of the	ne pianei saturn
	Yahoo, Google and Word (a) Internet sites (c) watches made of Switzerland (c) watches made of switzerland	ord C	D stands for	•
	the computer dictionary	(D)	Compressed	Disc
69.	(a) Internet Sites (b) Internet Sites (c) watches made of Switzerland (c) watches made of Switzerland (d) watches made of Switzerland (e) watches made of Switzerland (f) watches made of Switzerland (g) watches made of Switzerland (h) watches made of Switzerland (g) watches watc	(d)	Compressed	l Data
	(a) Compact Disc (c) Computerized Data (c) Which one of the following is not		mouter laneu	iage?
	(c) the one of the following is not	a coi	C	0
70.	Which old	(0)	EODTD AN	
	(a) =	1.44		ppcc /pm \ 10061
	(c) FAST			t is information
	Which one of the following terms	is is	not associated	with information
71.	Which one of the	80000	22 2004	
****	technology?	(0)	Opioad	
	(a) Cyber space	(d)	Modem	[UPPCS (Pre.) 2001]
	(c) Light storage			[UPPCS (FIE.) 2.001]
	The fastest computer of the world (b) Yenha-3	is:	AND THE PERSON NAMED IN	40 T 0
72	The fastest compatible (b) Yenha-3	(c)	Param-10,000) (d) J-8
	(a) T-3A (b) Yenna-3		1	UP Lower Sub. 1998]
	A . :- Anupam ?			1000g(100)
73	What is Anupam ? (a) a research Institute	(b)	a super com	puter
	(c) a newly designed missile	(d)	a computer	[CPO, AC 1994]
	(c) a newly design			ICIO, AC 1991
Process	. A supercomputer Param has been	n de	veloped and	designed in India
74	. A supercomputer			
	by: (a) C – DAC, Pune	(b)	IIT, Kanpur	
	(c) BARC, Mumbai	(d)	IIT, Delhi	[RAS/RTS 1992]
	(c) BARC, Multibul	a is-	-	
75	The smallest unit of computer dat (a) byte (b) bit	(c)	record	(d) file
	(a) byte (b) bit	4-7	150000000000000000000000000000000000000	[IAS (Pre) 1987]
7/	The North Land School Virus is "			
76	The Michele Anjelo Virus is:	(b)	a cancer pro	tective virus
	(a) a cancerous virus	(d)	more tor	UITIIS
	(c) viruses spread in rats	1000	[MBA	A Entrance R.U. 1994]
7	Which one of the following is app	licah	le to all the o	omputers?
,,	(a) BACK	(b)	COBOL	A 1280 A 12 12 12 12 12 12 12 12 12 12 12 12 12
	(a) BASIC	(4)	CODTD AN	90 F000 400 W
	(c) Machine language	(4)	[MBA	Entrance AMU 1995]
7	8. The APPLE is :		4/20/2000	
	(a) a fruit			
	(b) a computer of fourth generation	on		
	(c) a computer network	011		3000000
	(d) a computer language			[MPPCS (Pre) 1993]
	The state of the s			

-	9		- datai	nto impulses	and these imp
79.	are sent from a	terminal to a con	iputer a	nd from a cor	and these impul _{ses} nputer to a terminal
	in a compress	ed way is called :		Micro comp	
	(a) Magnetic	disc	(4)	Modem	
	Contract to the second			ish would	follow the
80.	The fastest co	mputer of the w	orld wi	uch would	follow the working
	mechanism of	the human's bra		Quantum c	
	(a) Supercom	puter		IBM chips	ompate.
		a 000	(a)	IDIVI Crips	C
81			is been	developed a	s a Supercomputer RC)?
	Project by the	the following ha Bhabha Atomic I			
	(a) Param Pa	dam	(b)	Flosalver M	ILIPPOC (D.
	The second contract of		(d)	Anupam	[UPPCS (Pre) 2004]
92	Thomomoryo	fa computer is us	ually ex	pressed in ki	lobyte or megabyte;
04.	one byte is bar	sically composed	OI .		
	(a) 8 binary d	igits	(0)	2 binary dig	gits
	(c) 8 decimal	digits	(d)	2 decimal d	igits
				ocumentarian and a management	[IAS (Pre) 2000]
83	A popular win	dowing Environ	ment, w	rindows – 3	issued in :
00.	(a) 1985	(b) 2000	(c)	1995	(d) 1990
04	The computer	•			
04.	I is a canabl	e system in which	h data a	re stored up	,
	II is capable	in performing ex	cellent	analysis of t	he data
	III is able to h	ave the secrecy of	of some	hing	
	IV is affected	sometimes by th	e viruse	es	
	Select the corre	ect answer from t	he follo	wing:	
	(a) 1 & II		(c)	I, II & IV	(d) All of these
	(4) 1 4 11	New York Control	0.00		khand PCS (Pre) 2005]
85	In an arrangem	ent of computer	ization	there is a ne	ed of :
	the state of the s	lpower to perfor			Committee Committee Committee
		ed financial reso			
	III. a trained m		arce		
		ern installed cor	Gaurat	ion	
		ct answer from t			(1) All -(1)-co
13	a) I & II	(b) II & III	(c)	I, II & IV	(d) All of these
		100	0202		khand PCS (Pre) 2005
56.	he working fu	nction of an asse	embler	is:	
(a) to transform	n BASIC langua	ge into	a mechanic	al language
(b) to transform	n a high level lar	nguage	into a mech	anical language
(c) to transform	n an assembly la	inguage	into a mec	hanical language
(6	d) to transform	n an assembly la	inguage	into - bi-b	level language khand PCS (Pre) 2005
7. T	he supercomp	uter Deep Blue	e and 1	Blue Cons	are developed and
fa	bricated by:		c and i	orue Gene	are developed
) IBM Co. US	Α	(1-1	·	TI imposite UK
(0) BARC, Mur	nbai	(b)	Combridge	University, UK
	W. SCHOOLSEN, MINSTER	The state of the s	(a)	None of the	ese

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 99. The first main post office of India where a computerised system begun
 - (a) New Delhi

(b) Banglore

(c) Chandigarh

(d) Noida

100. The political party which has opted firstly its own website in India is:

(c) DMK

(d) AIADMK

Answers

1. (b)	2. (d)	3. (b)	4. (a)	5. (a)	6. (a)	7. (c)	
9. (d)	10. (b)	11. (c)	12. (a)	13. (a)	14. (b)		8. (c)
17. (b)	18. (c)	19. (d)	20. (c)	21. (a)	22. (a)	1	(4)
25. (a)	26. (c)	27. (c)	28. (a)	29. (c)	30. (a)	31. (c)	24. (c)
33. (b)	34. (b)	35. (d)	36. (b)	37. (c)	38. (a)	39. (b)	32. (b)
41. (c)		43. (c)		45. (a)	46. (c)	47. (b)	40. (d)
49. (d)		51. (a)	52. (b)	53. (b)	54. (d)		48. (b)
57. (d)		59. (b)	60. (c)	61. (b)	62. (b)	55. (d)	56. (d)
65. (b)		67. (d)	68. (a)	69. (a)	70. (c)	63. (b)	64. (b)
73. (b)	74. (a)	75. (b)	76. (d)	77. (c)		71. (c)	72. (a)
81. (d)	82. (a)	83. (b)	84. (d)	85. (d)	78. (b)	79. (b)	80. (b)
89. (a)	90. (a)	91. (a)		93. (d)	86. (c)	87. (a)	88. (c)
97. (a)	98. (c)	99. (b)	100. (a)	20. (u)	94. (b)	95. (d)	96. (a)
