PART-I

GENERAL KNOWLEDGE

1. The number of times in a day the hour hand and the minute hand of a clock are at right angle is

   a) 44 b) 48 c) 24 d) 12

2. The Nagarjuna Sagar Project is on the river

   a) Sutlez b) Narmada c) Krishna d) Cauvery

3. Fundamental rights in Indian Constitution have been taken from the

   a) Russian Constitution b) U.S. Constitution

   c) British Constitution d) Act of 1935

4. According to the latest census, the lowest literacy rate is in

   a) Uttar Pradesh b) Madhya Pradesh

   c) Bihar d) Arunachala Pradesh

5. The XVII Commonwealth Games are scheduled in 2002 at

   a) Canada b) United Kingdom

   c) South Africa d) Australia

6. That the earth is almost spherical in shape, was first stated by

   a) Ptolemy b) Arya Bhatta

   c) Pythogoros d) Copernicus

7. The amount of security deposit required to be paid by a candidate for contesting election to the office of the President of India is

   a) Rs.2500/- b) Rs.500/- c) Rs.10000/- d) Rs.15,000/-

8. The voting age in India was lowered from 21 to 18 years through

   a) Presidential Ordinance b) Constitutional amendment

   c) Executive Order d) Parliamentary legislation

9. Who introduced "MMX" technology?

a) IBM b) Apple c) Microsoft d) Intel

10. Which one of the following refers to the first nuclear reactors of India

a) Rohini b) Urvasi c) Apsara d) Kamini

11. Which is the city linked by the highest number of Railway Zones

a) Delhi b) Mumbai c) Calcutta d) Chennai

12. What is ISO 9000

a) Name of the satellite b) Name of the Missile

c) A standard of quality management d) A newly discovered galaxy

13. India has successfully test fired Agni II Missile in April 1999 – What is the range of this missile

a) 500 Km. b) 1000 Km. c) 1600 Km. d) 2500 Km.

14. Operation "Black Board" was started to provide physical facilities for the

a) Adult Education b) Women's Education

c) Elementary Education d) Technical Education

15. Sound travels faster in

a) Dry air than in water b) Wood than in iron

c) Iron than in air d) Hydrogen than in water

16. Small droplets of a liquid are spherical in shape because of

a) Viscosity b) Surface tension c) Thermal conductivity d) Density

17. The OSCAR award was won 36 times by

a) Charlie Chaplin b) Alfred Hitchcock
c) Walt Disney d) Kuro Sawa

18.Smt.Teejan Devi is associated with

a) Classical Vocal Music b) Folk Music

c) Light Music d) Hindustani Carnatic Music

19.Which of the following is not a cash crop

a) Paddy b) Sugarcane c) Jute d) Cashewnet

20.The famous Brahadeeswarar Temple in Tanjore was built by

a) Pallavas b) Cholas c) Pandiyas d) Chalukyas

21.Which one of the following statement is not correct?
Dinar/New Dinar is the currency of

a) Sudan b) Yugoslavia c) UAE d) Tunisia

22.In order to prevent corrosion, iron pipes are often coated with a layer of Zinc. This process is known as

a) Electroplating b) Annealing c) Galvanisation d) Vulcanisation

23.In a recent decision taken by the Government of Inidia the rate of interest on Post Office deposits were reduced by

a) 0.5% b) 1% c) 1.5% d) 1.75%

24.Which is most important source of revenue of state Governments

a) State Excise Duty b) Agriculture Income Tax

c) Sales Tax d) Land Revenue

25.The Chief Justice of the High Court is appointed by

a) Governor of the State b) The President of India

c) Chief Minister of the State d) Chief Justice of India

26.Which is odd one here?

a) Saxophone b) Guitar c) Violin d) Veena

27.Which of the following rays of the sun light helped solar cooker in its heating

a) Infra Red Rays b) Cosmic Rays

c) Ultra violet Rays d) Red light Rays

28.Top most brand in India according to the recent survey is

a) Vicks b) Colgate c) Lux d) Binaca

29.National Botanical Garden is situated in

a) Lucknow b) Patna c) Pune d) Bangalore

30.Which of the following gases make a major proportion of air

a) Carbon-di-Oxide b) Nitrogen

c) Organ d) Oxygen

31.The Chairman of the Drafting Committee of the Indian Constitution was

a) Pandit Jawaharlal Nehru b) Dr.Rajendra Prasad

c) Mahatma Gandhi d) Dr.B.R.Ambedkar

32.Which is mainly a water borne disease?

a) Malaria b) Cold c) Cholera d) Mumps

33.The ambitious hi-tech city is being developed near to which of the following City

a) Chennai b) Mumbai c) Bangalore d) Hyderabad

34.Which of the following is known as "Britain of the South"

a) Hamilton b) Newzealand c) Kerala d) Goa

35.The terms 'Bull' and 'Bear' are used in the

a) Bihar Govt's Animal Husbandry Department
b) Income Tax Department
c) C.B.I
d) Stock Exchange

36.The principal organ concerned in the loss of heat from the body is

a) Skin b) Heart c) Liver d) Lungs

37.Who is known as the Iron Man of India?

a) Subash Chandra Bose b) Lala Lajpath Rai

c) Bhagat Singh d) Sardar Vallabai Patel

38.Who among the following Tamil Poet was born in Pondicherry?

a) Kalyanasundaram b) Bharathiar

c) Bharethidasan d) Ramalingam Pillai

39.The largest tank in Pondicherry is

a) Bahour b) Ousudu c) Korkadu d) Vadanur

40.Which European Country is mediating in the ongoing conflicts in Sri Lanka

a) England b) USA c) Israel d) Norway

41.Which state has the maximum number of rural population in India

a) Andhra Pradesh b) Assam c) West Bengal d) Bihar

42.The winter rain in Pondicherry is caused by

a) South-West monsoon b) North-East monsoon

c) Sea Breeze d) Cyclone in the Bay of Bengal

43.Underground railway is being built in India at

a) New Delhi b) Mumbai c) Chennai d) Calcutta

44.The train is called bus, bus is called tractor, tractor is called car, car is called scooter, scooter is called bicycle, which is used to plough a field

a) Train b) Bus c) Tractor d) Car

45.Justice M.N.Venkatachelliah has been appointed Chairman of which of the following commission

a) Dis Investment Commission b) Constitution Review Commission

c) TRAI Regulatory Commission d) Banking Reforms Commission

46.If BATCH is coded as ABSDG, how is FORSAKE coded in that code

a) ABDGS b) EPQTZLD c) EQPZLTD d) GDSBA

47.The forest area known as 'Silent Valley' is in

a) Kerala b) Karnataka c) Uttarkhand d) Nagaland

48.Which one of the following is a mixture?

a) Lime b) Table Salt c) Sugar d) Sea Water

49.Who presides over the Joint session of the Parliament?

a) Speaker b) Vice-President c) President d) Prime Minister

50.Which one of the following is a coastal district of Tamil Nadu

a) Erode b) Ramnad c) Madurai d) Nilgiri

PART-II

COMPUTER HARDWARE AND COMPUTER APPLICATIONS

1. A system whose overall purpose is to record and maintain information on a Computer is called

   a) Data Base Management System b) Data Base

   c) Data Base System d) Data

2. Autoexec.bat specifies

   a) Buffers b) Files c) Stakes d) None of the above

3. When several users access the data base at the same time it is said to be

   a) Connection trap b) Concurrent sharing

   c) Integrated data d) Date Base Management

4. Data on the hard disk is lost during the following procedure(s)

   a) Creation of primary DOS partition b) Deletion of primary DOS partition
   c) FORMAT C d) All the above

5. The quality of the display produced by a computer depends on

   a) axes chosen b) Scale factor c) Resolution d) Colour of Screen

6. Backup copies of original program diskettes are made by

   a) DISKCOPY.EXE b) DISKCOPY.COM

   c) COPY *.* d) BACKUP.EXE

7. A logic circuit corresponding to ---------- sign is

   a) AND gate b) NOR gate c) NAND gate d) OR gate

8. The first operating system for micro computer was

   a) PC-DOS b) Apple-DOS c) CP/M d) None of the above

9. Digital computers are more widely used as compared to analog computers because they are

a) Less expensive
b) Always more accurate
c) Useful over wider ranges of problem types
d) Easier to maintain

10.The list of commands to set up the computer system is in

a) The AUTOEXEC.BAT file
b) The CONFIG.SYS file
c) I0.SYS file
d) All of the above

11.RAM memories may be

a) Static
b) Dynamic
c) Static or Dynamic
d) Neither Static nor Dynamic

12.Virtual Memory is

a) an extremely large main memory
b) an extremely large secondary memory
c) an illusion of an extremely large memory
d) a type of memory used in super computer

13.Memory fill is aid to

a) Program debugging
b) Memory erasing
c) Memory retrieval
d) Memory reactivation

14.A popular operating system which supports multitasking is

a) Apple-DOS
b) MS-DOS
c) C++
d) UNIX

15.A device that stores q stable state is called

a) Binary
b) Q-ary
c) Uninary
d) None of the above

16.The term operating system means

a) a set of program which controls computer's working
b) the way a computer operator works
c) conversion of high level language into machine code
d) the way a floppy disk drive operates

17.In which case a thin film of magnetic material is sandwiched between two permanent bias magnet

a) RAM b) ROM c) Bubble Memory d) All of the above

18.The box that lets you make a window turn into an icon is called a

a) Dialog box b) Control Menu c) Menu box d) Options box

19.Highest storage capacity

a) Core Memory b) Magnetic Disk

c) Magnetic Tape d) Semi-conductor Memory

20.The portion that shows the Window's name in the strip across the top of an open window is called the

a) Label b) Program Name c) Title bar d) Icon bar

21.The body of a WHILE loop has

a) one statement only b) atleast two statements

c) one or more statements d) None of the above

22.The four edges that make up a window are called the

a) Window ends b) Window corners

c) Window borders d) Window outlines

23.A Half adder has

a) two inputs and two outputs b) two inputs and three outputs

c) three inputs and three outputs d) None of the above

24.The maximum length of string in C is

a) Infinite b) 255 characters c) 10 characters d) 1024 characters

25.The area inside the window is called

a) Work area b) Work place c) Word window d) Work space

26.The number of bit manipulation operators provided in C is

a) 2 b) 4 c) 6 d) 8

27.The little pictures that help you tell windows what to do are called

a) Symbols b) Pics c) Icons d) Fotos

28.The input function analogous to printf is

a) Input b) Scan c) Sprint d) Get

29.Why is the format command important

a) It fixes the disk so that it will never forget any data
b) Each type of computer has its own format
c) Disks can't be used to store data until they are formatted
d) B and C

30.Which of the following formulae is most accurate for numerical integration

a) Simpson's Rule b) Trapezoidal Rule
c) Weddle's Formula d) Ganss's Quadrature formula

31.What are drop down menus?

a) Menus that appear at the bottom of the screen
b) Menus that contain command options available for that window
c) Menus that appear when an item on the menu bar is selected
d) B and C

32.A candidate obtained the following percentage of marks in the examination

English	- 60
Hindi	- 65
Mathematics	- 92
Physics	- 74
Chemistry	- 55

The weights allotted to the subjects are 1,2,1,3,3 the candidate's weighted mean would be

a) 63.7 b) 79.2 c) 71.8 d) 72.9

33.What is the Task Manager?

a) The window that lists all programs that can be started
b) The window that lists all programs that are running
c) The window that displays the DOS command prompt
d) The window that displays the OS/2 command prompt

34.Which of the following is a low level language

a) FORTRAN language b) Machine language

c) Basic language d) None of the above

35.What is chaining

a) Using the CALL command to call multiple batch files from inside another batch file
b) Starting a batch file by listing its name as the last command in another file
c) Using the chain command to start another batch file
d) a and b

36.Syntax is connected with

a) Format b) Well formedness

c) Compositional structure d) All of the above

37.What is nesting?

a) Starting a batch file by listing its name as the last command in another file
b) Calling a batch file from within another batch file
c) Something birds do in the spring
d) b and c

38.PASCAL language was introduced in

a) Early 1950s b) Late 1950s c) Early 1960s d) Early 1970s

39.Integrated Circuits introduced in

a) Early 1960s b) Late 1960s c) Early 1970s d) Late 1970s

40.Which of these commands would rename files with a.txt extension to a.doc extension?

a) REN *.TXT *.DOC
b) REN *.TXT ?.DOC
c) TYPE *.TXT ?.DOC
d) COPY *.TXT *.DOC

41.ACCEPT statement is used for

a) all inputs b) some inputs

c) certain specified inputs d) None of the above

42.A gate is a logic circuit with one or more input signals but -------- output signal

a) two b) double c) one d) more than one

43.Which component of a DBMS do disks, drums, tapes belong to

a) Hardware b) Software c) Data d) Users

44.A NOR Gate has two or more input signals. All inputs must be -------- to get a high output

a) Low b) High c) Some low some high

45.Which of the following system is linear

a) Logarthimic amplifier b) Voltage to current converter

c) Sample and hold circuit d) All of the above

46.For what logic gate the outputs in complement of the input?

a) NOT b) AND c) OR d) XOR

47.Loss of precision in a quantity is called

a) Fault b) Feed back c) Delay d) Error

48.What is the co-efficient of invertor

a) 1 b) 2 c) 3 d) 4

49.The most popular secondary storage today is

a) Magnetic tape b) Floppy Disk c) Mass storage d) Semi conductor

50.Which of the following is a secondary memory device?

a) Key board b) Disk c) ALU d) All of the above

51.CD-ROM is a

a) Semi conductor memory b) Memory register

c) Magnetic Memory d) None of the above

52.A typical value for unity gain frequency for 741 operational amplifier is

a) 10 KHz b) 1 MHz c) 100 MHz d) 1 KHz

53.Batch files must be created in what type of text file?

a) In one containing only lower case letters and no punctuation
b) In any word processor's format
c) In ASCII
d) a and c

54.Which can read data and convert them to a form that computer can use?

a) Logic b) Storage c) Control d) Input device

55.Two of the widely used character systems are

a) ASCII and EBCDIC b) CBS and IBM

c) PASCAL and COBOL d) FI and FIV

56.Which kind of hardware is used as the most in the input phase of a computer-based information system

a) Key Board b) Printer c) Monitor d) Hard Disk

57.A DVST monitor

a) cannot display colours b) can display four colours

c) can display three colours d) can display many colours

58.A cursor is

a) symbol on a display screen c) a blinking spot

c) a reference spot d) None of the above

59.The delay between successive bit for 9600 band rate is approximately 0.1 ms.

a) True b) False

60.Which of the following register pairs can be directly stored in memory

a) BC b) DE c) HI d) None of the above

61.Which printer is very commonly used for desk top publishing?

a) Laser Printer b) Inkjet Printer

c) Daisy Wheel Printer d) Dot Matrix Printer

62.What is general name of the device which produces hard copy graphics?

a) COM b) Plotter c) Printer d) Microfilm

63.What is the name of the screen symbol that shows the placement of the next character

a) Mouse b) Cursor c) Track ball d) Graphic tablet

64.Point out the odd item amongst the following:-

a) Computer mouse b) Touch pad c) Light pen d) Printer

65.The OCR stands for

a) Outside character reader
b) Optical character recognition
c) Operational character reader
d) Only character reader

66.A state during which nothing happens is known as

a) LDA b) NOP c) MAR d) OP code

67.Flag bits in arithmetic unit provide

a) Status type information b) Repeatability

c) Facilities for recheck d) All of the above

68.A micro processor such as 8085 does not have the following instructions in its instruction set

a) Add two 8 bit numbers b) Add two 16 bit numbers

c) Multiply two 8 bit numbers d) Compliment a 8 bit numbers

69.A charge coupled device has

a) Low cost per bit b) High cost per bit

c) Low density d) None of the above

70.A computer does not contain

a) Disk controller b) Control Unit c) Mouse d) Microprocessor

71.Instructions for execution by a computer are given in which language

a) Symbolic b) BASIC c) Machine d) Computer

72.An assembler is

a) Program b) Person who assembles the parts

c) Symbol d) Language

73.Which of the following language is often translated to pseudo code?

a) Assembly b) FORTRAN c) PASCAL d) BASIC

74.Which was the first available high level language developed by IBM in 1957?

a) PROLOG b) LEO c) PASCAL d) FORTRAN

75.The name of the language which consists of strings of IS and OS is called

a) Assembling language b) High level language

c) Machine language d) 4 GL

76.In 1974, there was a release of IBM's proprietary network called

a) Ethernet b) DNA c) SNA d) Aloha system

77.In a computer debugger is a part of

a) Software b) Hardware c) Disk drive d) CPU

78.Which computer language is prepared for data processing

a) BASIC b) ADA c) APL d) All of the above

79.CAD/CAM is hardware oriented but ------- gives it life

a) Numerical control
b) Documentation
c) Software
d) Communication

80.Language chosen for fifth generation computer project

a) PROLOG
b) FORTRAN 444
c) BASIC B1
d) LISP

81.Each model of a computer has

a) Unique assembly language
b) Machine language
c) High level language
d) All of the above

82.Programming errors generally fall into which category(ies)

a) Syntax errors
b) Execution errors
c) Logical errors
d) All of the above

83.A software which converts a complete high level language program to machine language in one go is known as

a) Compiler
b) Assembler
c) Interpreter
d) Loader

84.Which of the following is not a part of the operating system

a) Supervisor
b) Performance monitor
c) Job control program
d) Input/Output control program

85.The first calculating device which is 2000 years old and still is used is called

a) Clay Table
b) Calculator
c) Abacus
d) None

86.Who developed FORTRAN?

a) MBI
b) BMI
c) IBM
d) IMB

87.Robots are examples of

a) Special purpose computer
b) General purpose computer
c) High Breed computer
d) Analog computer

88.Which system program prints the contents of specified memory location

a) Text editor
b) Macro assembled
c) Memory drum
d) Trace

89.Which of the following types of software must you have in main memory in order to use your keyboard?

a) Word processing
b) Systems
c) Spreadsheet
d) Applications

90.Which of the following is not application software?

a) Word processing
b) Spreadsheets
c) Unix
d) Desk Top Publishing

91.Multi programming was made possible by

a) Input/Output units that operate independently of the CPU
b) Operating System
c) Both a and b
d) Neither a nor b

92.A good query system

a) Can accept english language commands
b) Allows non-progammers to access informations stored in a data base
c) Can be accessed only by data processing professionals
d) Both a and b

93.What is the abbreviation used for a software package that permits the the users to create, retrieve and maintain records in a data base

a) DASD b) FMS c) EMMS d) DBMS

94.Which of the following commands makes a duplicate diskette

a) Copy b) Full Copy c) EX-Copy d) Disk copy

95.Which of the following is not a release of LOTUS of 1-2-3

a) 2.01 b) 2.2 c) 2.3 d) 2.45

96.Which of the following is not a DBMS

a) DBASE III Plus b) FOXPRO c) ORACLE d) COREL DRAW

97.Intel does not manufacture

a) CPUs b) LAN cards c) PC chip sets d) RAM

98.The mouse supplied with Apple Machintosh PCs has how many buttons

a) None b) One c) Two d) Three

99.The size of conventional RAM in an IBM compatible PC is

a) 384 K b) 1 M c) 64 K d) 4 M

100.A COBOL has ..... number of divisions

a) 10 b) 3 c) 4 d) 2

101.A PC can write to a CD-R

a) Once b) Four times c) Ten times d) Infinite number of times

102.Ethernet uses

a) Bus topology b) Ring topology c) Star topology d) Tree topology

103.A sizeable geographical area with communication based on the telephone system is known as

a) Local Area Network b) Wide Area Network
c) Modulator-Demodulator d) All of the above

104.A group of parallel lines that connects two or more devices is called

a) Network b) Bus c) Bound d) Band

105.Which of the following device is used to connect two systems, especially if the system use different protocols

a) Hub b) Bridge c) Gateway d) Repeater

106.Which of the following device copies electrical signal from one ethernet to another

a) Bridge b) Repeater c) Hub d) Passive Hub

107.A distributed data processing configuration in which all activities must pass through a centrally located computer is called

a) Ring network b) Spider network

c) Hierarchical network d) Data control network

108.Communication between computers is almost always

a) Serials b) Parallel c) Series Parallel d) Direct

109.Devices on one network can communicate with devices on another network via a

a) file server b) utility server c) Printer server d) Gateway

110.Which of the following is used for modulation and de-modulation?

a) Modem b) Protocols c) Gateway d) Multiplexer

111.The normal speed of motor in RPM used for a floppy diskette drive

a) 300 - 360 b) 600 - 900 c) 100 – 200 d) 200 – 300

112.Which of the following layer protocols are responsible for user and the application program supports such as passwords, resource sharing, file transfer and network management

a) Layer 7 protocols b) Layer 6 protocols

c) Layer 5 protocols d) Layer 4 protocols

113.Human eye does not respond to things that change faster than about

a) five times per minute b) five times per second

c) ten times per second d) twenty times per second

114.Reddish glow is available from

a) LCD b) LED c) Both a and b d) Neither a nor b

115.Recursion is used because

a) It saves memory b) It is faster

b) It makes the code compact d) All of the above

116.In Basic the exponent of a number

a) can be positive b) can be negative

c) can be a or b d) cannot have a decimal point

117.What is the addressing mode used in instruction MOVM, C

a) Direct b) Indirect c) Induced d) Immediate

118.MOS family used extensively were the lowest power consumption necessary is

a) PMOS b) NMOS c) CMOS d) None of the above

119.A cheaper net is a

a) 10 base 5 b) 10 broad 36 c) 10 base 2 d) 10 broad 2

120.Which of the following is a text editor

a) Page Maker b) Ventura c) Wordstar d) All of the above

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