

PAPER-I
MENTAL ABILITY TEST
(Max Marks 100)

Time : 01 Hour

Note: Mark correct choice by filling the circle in attached Answers sheet, Use Pencil(HB).

1. If length and breadth of a rectangle becomes half and double respectively, then what will be the resultant area :
(a) 25%
(b) 50%
(c) 75%
(d) None of these
2. A person sees a train getting into a tunnel which is 4 km long. If length of train is one-eighth of the tunnel and it gets out of the tunnel in 6 minutes, then what is the speed of the train :
(a) 40 Km/h
(b) 45 Km/h
(c) 50 Km/h
(d) 48 Km/h
3. By selling 20 chairs, a shopkeeper earns a profit equal to the selling price of 4 chairs. What is his gain percentage :
(a) 20%
(b) 25%
(c) 33.33%
(d) 15%
4. Average age of 25 students is 17 years. If we add the age of teacher also, the average age increases by one year. The age of the teacher in years is :
(a) 43
(b) 35
(c) 40
(d) 45
5. Sunita can type 2700 words in one hour. How many words can she type in 3 minutes :
(a) 125
(b) 200
(c) 180
(d) 135
6. A work is done in 16 days by 8 labours. They worked together for 2 days and after that 8 additional labours joined them. The rest work will be finished by them in :
(a) 8 days
(b) 10 days
(c) 9 days
(d) 7 days

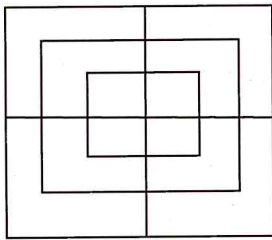
7. What is the ratio of simple interest earned on certain amount at the rate of 12% per annum for 9 years and that for 12 years :
- (a) 1:2
(b) 2:3
(c) 3:4
(d) 4:5
8. A farmer purchased a piece of land for Rs. 18 Lakh and spent Rs. 3 Lakh for registration, fencing etc. He sold it for Rs. 24.57 Lakh. The profit in percentage is :
- (a) 15%
(b) 14.15%
(c) 16.5%
(d) 17%
9. A sold a watch at a gain of 5% to B and B sold it to C at a gain of 4%. If C paid Rs. 91 for it, the price paid by A is :
- (a) Rs. 83
(b) Rs. 83.33
(c) Rs. 84.33
(d) Rs. 82.81
10. The Numerator of a fraction is half of the denominator. If the numerator is increased by 7 and denominator be diminished by 19, the fraction equals to 2. The fraction is :
- (a) $\frac{7}{14}$
(b) $\frac{12}{24}$
(c) $\frac{15}{30}$
(d) $\frac{17}{35}$
11. If the area of a square is increased by 44% retaining its shape a square, each of its sides is increased by :
- (a) 19%
(b) 22%
(c) 20%
(d) 21%
12. The value of $\frac{[(2.39)^2 - (1.61)^2]}{[(2.39) - (1.61)]}$ is :
- (a) 2
(b) 4
(c) 6
(d) 8
13. A man has some hens and cows. If the number of their heads be 48 and number of feet equal to 140, then the number of hens is :

- (a) 24
- (b) 25
- (c) 26
- (d) 27

14. If 20% of a is equal to b, then b% of 20 is the same as

- (a) 4% of a
- (b) 5% of a
- (c) 20% of a
- (d) 25% of a

15. Count the numbers of squares in the figure given below :



- (a) 8
- (b) 12
- (c) 15
- (d) 18

16. A family has a man, his wife, their four sons and their wives. The family of every son also has 4 sons and one daughter. The total number of male members in the whole family is :

- (a) 5
- (b) 10
- (c) 16
- (d) 17

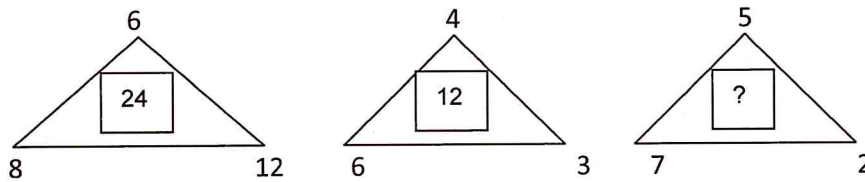
17. K is brother of N and X. Y is the mother, N and Z is the father of K. Which of the following statements is not true :

- (a) K is son of Z.
- (b) Y is wife of Z.
- (c) N is always the brother of X.
- (d) Z is the father of X.

18. The next term in series B2E, D5H, F12K, H27N, ? is :

- (a) Q62J
- (b) J56Q
- (c) I62Q
- (d) J58Q

19. Find the missing number in the third triangle :



- (a) 18
- (b) 46
- (c) 80
- (d) 70

20. Fill in the blanks

4, 6, 12, 14, 28, 30, ?

- (a) 32
- (b) 64
- (c) 62
- (d) 60

21. Find the missing number :

7	5	6
3	2	1
9	6	?

- (a) 5
- (b) 6
- (c) 7
- (d) 8

22. A clock is started at 12 O'Clock noon. By ten minutes past 5, the hour hand has turned through :

- (a) 145°
- (b) 150°
- (c) 155°
- (d) 160°

23. Choose the correct alternative from the given ones that will complete the series

8, 9, 8, 7, 10, 9, 6, 11, 10, ?, 12

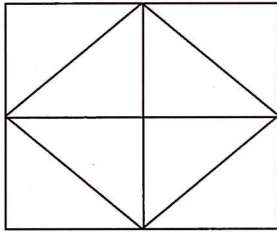
- (a) 5

- (b) 7
- (c) 8
- (d) 11

24. ATTRIBUTION, TTRIBUTIO, RIBUTIO, IBUTI, ?

- (a) IBU
- (b) UT
- (c) UTI
- (d) BUT

25. How many squares and triangles are there in the given figure :



- (a) 8, 10
- (b) 5, 10
- (c) 6, 12
- (d) 8, 14

26. If $[x + 1/x] = 6$ then $[x^2 + 1/x^2] = ?$

- (a) 34
- (b) 32
- (c) 36
- (d) 38

Select the appropriate words from given alternatives from the Qestion No 27 to 34

27. Harp : Drum :: Flute : ?

- (a) Violin
- (b) Bugle
- (c) Harmonium
- (d) Piano

28. Imprison : Jail :: Exile : ?

- (a) Country
- (b) Depart
- (c) Banish
- (d) Punishment

29. Bread : Yeast :: Curd : ?

- (a) Fungi

- (b) Bacteria
- (c) Germs
- (d) Virus

30. Glucose : Carbohydrate :: Soyabean : ?

- (a) Proteins
- (b) Vitamins
- (c) Minerals
- (d) Legumes

31. Jeopardy : Peril :: Jealousy : ?

- (a) Envy
- (b) Insecurity
- (c) Lust
- (d) Sin

32. Ocean : Pacific :: Island : ?

- (a) Greenland
- (b) Ireland
- (c) Netherland
- (d) Borneo

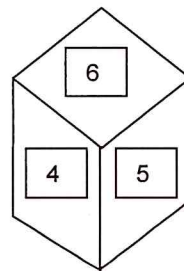
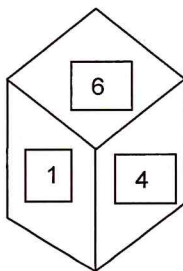
33. Meat : Vegetarian :: Liquor : ?

- (a) Insane
- (b) Introvert
- (c) Teetotaller
- (d) Foolish

34. A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's

- (a) Brother
- (b) Son
- (c) Uncle
- (d) Son-in-law

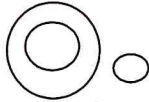
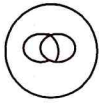
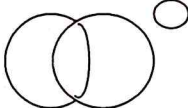
35. Two positions of a dice are shown below. When the number 1 is on top, what number will be at the bottom :



- (a) 2
- (b) 3
- (c) 5
- (d) Cannot be determined.

36. Choose the Venn diagram which best illustrates the three given class in each of the following questions :

Protons, Electrons, Atoms

- (a) 
- (b) 
- (c) 
- (d) 

37. Arrange the following words in alphabetical order and choose the one that comes first :

- (a) Propriety
- (b) Proposition
- (c) Prosecute
- (d) Proposal

38. From the given alternative words, select the one which can be formed using the letters of given word :

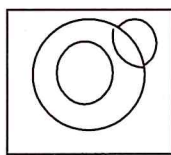
TERMINATION

- (a) NOTICE
- (b) TRICK
- (c) RATION
- (d) CROAM

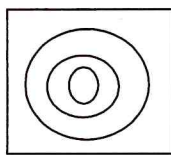
39. In a certain code, EAT is written as 318 and CHAIR is written as 24156. What will the TEACHER be written :

- (a) 8312346
- (b) 8321436
- (c) 8312436
- (d) 8313426

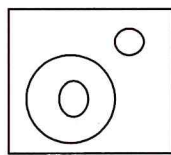
40. Which one of the following Venn diagrams correctly represents Planet, Earth and Sun :



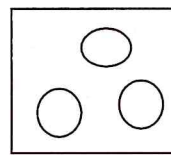
(a)



(b)



(c)



(d)

41. (For Question numbers 41-42) Find the odd number :

- (a) Intimacy
- (b) Attachment
- (c) Friendship
- (d) Enmity

42. (a) 1023-1046

(b) 1169-1192

(c) 11494-1517

(d) 1899-1921

43. If $A : B = 1/2 : 3/8$, $B : C = 1/3 : 5/9$ and $C : D = 5/6 : 3/4$ then ratio $A : B : C : D$ is

- (a) 6 : 4 : 8 : 10
- (b) 6 : 8 : 9 : 10
- (c) 8 : 6 : 10 : 9
- (d) 4 : 6 : 8 : 10

44. What is the value of

$$\sqrt{7.84} + \sqrt{0.0784} + \sqrt{0.000784} + \sqrt{0.0000784}$$

- (a) 3.08
- (b) 3.108
- (c) 3.1008
- (d) 3.1108

45. If $a^x = b^y = c^z$ and $abc = 1$, then what is

$xy + yz + zx$ equals to

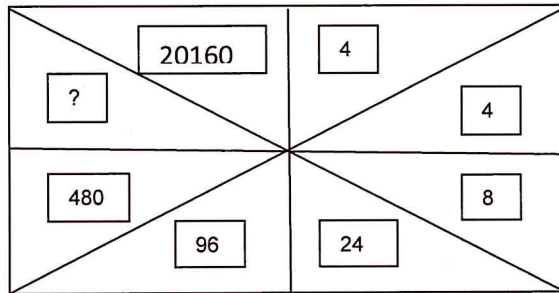
- (a) xyz
- (b) $x+y+z$
- (c) 0
- (d) 1

46. The value of

$$\sqrt{(2 + (\sqrt{2} + (\sqrt{2} + \dots \infty)))}$$

- (a) 2
- (b) $\sqrt{2}$
- (c) $2\sqrt{2}$
- (d) $2 + \sqrt{2}$

47. What is the missing number :



- (a) 860
- (b) 1140
- (c) 2880
- (d) None of these

48. Two years back the age of Sushil's father was 7 times Sushil's age then. If sum of their present ages is 36 years, what is the age of Sushil's father at present in years :

- (a) 25
- (b) 32
- (c) 34
- (d) 30

49. The length of the largest rod that can be placed in a room 16 m long, 12 m broad and $10\frac{2}{3}$ m high is :

- (a) 23m
- (b) 68m
- (c) $22\frac{2}{3}$ m
- (d) $22\frac{1}{3}$ m

50. If $x^2 - 4x + 1 = 0$, the value of $[(x^6 + 1) / x^3]$ is

- (a) 48
- (b) 52
- (c) 55
- (d) 58

PAPER -II
(ENGLISH LANGUAGE)
(Max marks 75)

Time-30 Minutes

Note : 1. Mark correct choice by filling the circle in attached Answers sheet, Use Pencil(HB).

2. Three marks for every correct answer and one negative mark will be deducted for every wrong answer (Negative Marking in this paper).

Q-1. Which of these sentences is/are correct

- A) The army had to suffer terrible privations due to war
- B) He was as tired as he could scarcely stand
- C) The most exquisitely work of literary art exhibits a certain crudeness and coarseness
- D) Education and poverty are most pressing issues for our country

a) B and C

b) A, C and D

c) A and D

d) A and B

Q-2. Which of these sentences is/are correct

- A) Do not be idle, lest you came to ruins
- B) As he had not paid his bid, following his electricity was cut off
- C) Giving on wrong pleasure is not self-sacrifice though self-culture
- D) There were doors all around the hall but they were all locked

a) Only D

b) A, B, and C

c) A and D

d) C and D

Choose the word opposite in meaning to the given words in [Q.No. 3 to Q. No. 6]

Q-3. Commence

a) End

b) Grow

c) Dismissed

d) Increase

Q-4. Mighty

a) forcible

b) Forceful

c) Weak

d) Tough

Q-5. Glory

a) Splendour

b) Notoriety

c) Fame

d) Debasement

Q-6. Development

a) Retardation

b) Retrogression

c) Transgression

d) Progression

In [Q.No. 7 to Q.No. 11] Four alternatives are given for the meaning of the given idioms/Phrase. Choose the correct one.

Q-7. In the tight corner

a) In a closed room

b) In a small field

c) In a difficult situation

d) In a meadow

Q- 8. A wild goose chose

- | | |
|---------------------|-------------------|
| a) Fruitful hunting | b) Futile search |
| c) Ideal seeking | d) Genuine effort |

Q-9. DO not hold water

- | | |
|--------------------------------|------------------------------|
| a) Do not deserve appreciation | b) Do not fulfil requirement |
| c) can not be believed | d) can not be valued |

Q-10. On the cuff

- | | |
|------------------------|----------------------------|
| a) On credit | b) Against his credit card |
| c) In his bank account | d) In his friend's account |

Q-11. Out and Out

- | | |
|------------|-------------|
| a) Totally | b) Simply |
| c) Merely | d) Slightly |

In [Q.No. 12 to Q. No.16] Out of four alternatives choose the one which can be substituted for the given words/sentences.

Q- 12. A word which cannot be interpreted in anyway

- | | |
|------------------|--------------|
| a) Amphibious | b) Ambiguous |
| c) Anachronistic | d) Confusing |

Q-13. A thing which catches fire easily

- | | |
|-----------------|-----------------|
| a) Callous | b) Efflorescent |
| c) Effervescent | d) Inflammable |

Q-14. One who hates mankind

- | | |
|-------------------|------------------|
| a) Mercenary | b) Neurotic |
| c) Philanthropist | d) Misanthropist |

Q-15. Animals which live both on land and in water

- | | |
|---------------|--------------|
| a) Abstemious | b) Ambiguous |
| c) Amphibious | d) Rapacious |

Q-16. A tank where fish or water plants are kept

- | | |
|-------------|-----------|
| a) Nursery | b) Apiary |
| c) Aquarium | d) Aviary |

[Q.No. 17 to Q. No. 20] Sentences are given with blanks to be filled in with an appropriate words. Choose the correct alternative out of the four..

Q-17. His leads his boss to believe that he can not be trusted

- | | |
|---------------|---------------|
| a) appearance | b) revanchism |
| c) mendacity | d) mendicity |

Q-18. Only her voice betrayed her fear

- | | |
|--------------|--------------|
| a) tacit | b) tremulous |
| c) squeamish | d) peevish |

Q-19. The human body is like an engine. It requires fuel

- a) to work b) to keep it going
c) to run from d) to keep it on action

Q-20. His persuasive tone was able to tackle the boy whom other professor had found

- a) peripatetic b) dissolute
c) tenacious d) obdurate

[Q.No. 21 to Q. No. 25] A sentence or **bold part** is given which may need improvement. Alternatives are also given as (a), (b), (c), (d) below which one is correct choice ?

Q-21. Each of our **students** **pay** their tuition fee at the beginning of the month

- a) student pay their b) students pays their
c) students pays his d) no improvement

Q-22. I told him clearly that he hadn't **ought to do** that to me.

- a) ought not to have done b) ought not done
c) ought not has done d) no improvement

Q-23 The fast train **came to halt** to before crossing the bridge

- a) came before to a halt b) came to a halt before
c) came to halts before a d) no improvement

Q- 24. I took the cycle **which he bought yesterday**

- a) that he bought yesterday
b) that he had bought yesterday
c) that which he had bought yesterday
d) no improvement

Q-25. The practical importance of the role of the industrial in the establishment of the new order is greater than **the economist and the politician**.

- (a) of the economist and politicians
(b) that of the economists and the politicians
(c) that of the economist and the politician
(d) no improvement

(GENERAL AWARENESS)

Max Marks 75

Note : Three marks for every correct answer and one negative mark for every wrong answer.

(Negative Marking in this paper)

Q-1. With inclusion of India, the Missile Technology Control Regime (MTCR) became a group of how many nations ?

- | | |
|--------|--------|
| (a) 29 | (b) 35 |
| (c) 48 | (d) 52 |

Q-2. International yoga day is observed on which date

- | | |
|-------------|-------------|
| (a) 23 June | (b) 22 June |
| (c) 20 June | (d) 21 June |

Q-3. From 1906 to 1920 the role of Md. Ali Jinnah during freedom struggle of India was

- | | |
|-----------------|-----------------------------|
| (a) Separatist | (b) Fundamentalist |
| (c) Nationalist | (d) Nationalist and secular |

Q-4. By which date the British Government declared to grant India full self government

- | | |
|----------------------|-------------------|
| (a) January 26, 1946 | (b) Dec, 31, 1947 |
| (c) August 15, 1947 | (d) June 30, 1948 |

Q-5. Who started silk route (Marg) for Indians

- | | |
|------------------|--------------|
| (a) Ashok | (b) Kanishka |
| (c) Harshvardhan | (d) Fahien |

Q-6. Privy Purse was related to whom in the post independence period

- | | |
|--------------------|--------------------|
| (a) Landlords | (b) Former kings |
| (c) Industrialists | (d) India planters |

Q-7. Who nominates the 12 members for Rajya Sabha in India

- | | |
|--------------------|--------------------|
| (a) Prime minister | (b) Chief Justice |
| (c) President | (d) Vice president |

Q-8. Which of the following state does not have legislative council ?

- | | |
|-------------------|----------------|
| (a) Uttar Pradesh | (b) Maharastra |
| (c) Karnataka | (d) Uttrakhand |

Q-9. Who settles the dispute regarding the election of President of India

- | | |
|-------------------|-------------------------|
| (a) Supreme Court | (b) Election Commission |
| (c) Parliament | (d) Non of the above |

Q-10. The first book written by M.K. Gandhi was

- | | |
|-------------------------------|------------------------|
| (a) My experiments with truth | (b) India of my dreams |
| (c) Hind Swaraj | (d) Key to health |

- Q-11. The main object of a Budget is
 (a) to ensure accountability (b) to serve as a tool of management
 (c) to facilitate economic analysis (d) All of above
- Q-12. Parliamentary form of government functions on the principle of
 (a) Separation of powers (b) Close relationship between legislature
 (c) Checks and balances (d) Control of judiciary on executive
- Q-13. Zero hour in the Parliament of India starts
 (a) First hour of sitting (b) At the 12 noon
 (c) Last hours of the sitting (d) At any time
- Q-14. Which of the following is not a foot hill town
 (a) Tanakpur (b) Rudrapur
 (c) Kotdwar (d) Haridwar
- Q-15. Which of the following is dominant in heredity
 (a) Albinism (b) Colour blindness
 (c) Rh- factor (d) Haemophilia
- Q-16. The bird that can move its upper Jaw is
 (a) Pigeon (b) Vulture
 (c) Parrot (d) Sparrow
- Q-17. Which of the following develops immune system in the body ?
 (a) Antigen (b) Antibody
 (c) Enzymes (d) Hormones
- Q-18. The main element of protein is ?
 (a) Hydrogen (b) Oxygen
 (c) Nitrogen (d) Carbon
- Q-19. By which of the following can petrol fire be extinguished ?
 (a) Sand (b) Water
 (c) Carbon dioxide (d) Sawdust
- Q-20. Seeds of sunflower plant contain ?
 (a) Alkaloids (b) Oils
 (c) Dyes (d) Crystal
- Q-21. The first mechanical computer designed by Charles Babbage was called ?
 (a) Abacus (b) Analytical Engine
 (c) Calculator (d) Processor
- Q-22. Which of the following countries is called the land of thousand lakes ?
 (a) Sweden (b) Poland
 (c) Canada (d) Finland

Q-24. As per 2011 census, which of the following states had the highest literacy rate ?

- (a) Mizoram
- (b) Goa
- (c) Himachal Pradesh
- (d) Tripura

Q-25. Which of the following is responsible for acid rains ?

- (a) Nitrogen oxide & carbon dioxide
- (b) Nitrogen oxide and carbon mono oxide
- (c) Sulphur dioxide and nitrogen oxide\
- (d) none of the above

PAPER – III
CONCERNED SUBJECT DTP & Computers
Max marks 300

Time 1 Hour 30 minutes

There are 100 Questions, each Question carry 3 equal marks and one negative mark for every wrong answer will be deducted (Negative Marking in this paper).

Q-1. Name the programme a personal computers microprocessor uses to get the computer system started after you turn It on

- | | |
|----------|----------|
| (a) BIOS | (b) VAIO |
| (c) I/O | (d) AVG |

Q-2. controls the way in which the computer system functions and provides a means by which users can interact with the computer

- | | |
|--------------------------|--------------------------|
| (a) The platform | (b) The operating system |
| (c) Application software | (d) The motherboard |

Q-3. Bluetooth technology is used for

- | | |
|-------------------------------------|--------------------------------------|
| (a) Exchanging data over long range | (b) Connecting to the network |
| (c) Using cloud storage | (d) Exchanging data over short range |

Q-4. What is a software development methodology that use minimal planning in favour of rapid prototyping ?

- | | |
|---------|---------------------|
| (a) RAD | (b) Auto CAD |
| (c) SLA | (d) Cloud computing |

Q-5. What is a relational database that is designed for query and analysis rather than for transaction processing ?

- | | |
|---------------------|-----------------|
| (a) Data ware house | (b) PLSQL |
| (c) Oracle | (d) Data mining |

Q-6. What is the shortcut key to right align text in MS word ?

- | | |
|---------------------|--------------|
| (a) Ctrl +Shift + R | (b) Alt + R |
| (c) Ctrl + Alt + R | (d) Ctrl + R |

Q-7. What is the low level programming language for a computer, or other programmable device in which there is a very strong (generally one to one) correspondence between the language and architectures machine code instructions called ?

- | | |
|-----------|-----------------------|
| (a) Java | (b) Assembly language |
| (c) COBOL | (d) SQL |

Q-8. What is referred to as the organization of data as a blueprint of how the data base is constructed ?

- | | |
|-----------------|-----------------|
| (a) Primary key | (b) Schema |
| (c) Tuple | (d) Cardinality |

Q-9. Is a tele communications network, which allows computers to exchange data

- | | |
|----------------------|---------|
| (a) Computer network | (b) OCR |
|----------------------|---------|

(c) JVM

(d) Control panel

Q-10. What is a self replicating virus that does not alter files but resides in active memory and duplicate itself ?

(a) Trojan horse

(b) Worm

(c) Phish

(d) E-mail

Q-11. In MS word, which menu do you choose to shade words and paragraph ?

(a) Insert borders and shading

(b) File, save

(c) formal, borders and shading

(d) view shading

Q-12. Which computer memory is used for storing programs and data currently being processed by the CPU

(a) Mass memory

(b) Internal memory

(c) Non-volatile

(d) PROM

Q-13. In CSMA/CD the computer sends a fixed unit of data called a(n) ?

(a) Node

(b) Packet

(c) override

(d) Token

Q-14. Online real time systems become popular in generation ?

(a) first

(b) second

(c) third

(d) fourth

Q-15. Which is the early packet switching network and the first network to implement the protocol suite TCP/IP ?

(a) ARPANET

(b) ENAIC

(c) RIP

(d) BGP

Q-16. How many bytes are there in one kilobyte ?

(a) 1024

(b) 1000

(c) 2046

(d) 2000

Q-17. Specialized programmes that assist users in locating information on the web are called

(a) Search engines

(b) information engines

(c) data engine

(d) web browsers

Q-18. The primary purpose of an operating system is

(a) to make the most efficient use of the computer hardware

(b) to allow people to use the computer

(c) to keep system's programmer employed

(d) to make computers easier to use

Q-19. What is the smallest addressable element in an all points addressable display device.

(a) Pixel

(b) Picture element

(c) Pel

(d) All of these

Q-20. Software for organizing, storage, updating and retrieving information is a(n)

(a) Data ware house

(b) Data base management system

(c) Operating system

(d) Data mining

Q-21. Domain names are formed by the rules and procedures of the

- (a) Domain name system (b) Domain name consortium
(c) Domain names rules (d) Domain name Hierarchy
- Q-22. is a self contained step-by-step set of operations to be performed
(a) Algorithm (b) Application Software
(c) Network topology (d) System Software
- Q-23. Which of the following is/are audio output device ?
(a) Subwoofer (b) Speakers
(c) Scanners (d) Both a & b
- Q-24. Which among the following is not legitimate type of computer virus ?
(a) Boot virus (b) File infector virus
(c) Resident virus (d) Hangout virus
- Q-25. Which computer bus connects the main memory to the memory controller in computer system
(a) Data bus (b) Memory bus
(c) I/O bus (d) Both b and C
- Q-26. Which of the following sequence of instructions does the control unit perform ?
(a) Decodes, executes and fetches
(b) Fetches, decodes & executes
(c) Executes decodes and fetches
(d) Fetches, executes & decodes
- Q-27. A diskette is divided into a number of concentric circles called
(a) Sectors (b) Cylinders
(c) Tracks (d) Clusters
- Q-28. The four bit binary representation of the decimal number 8 is
(a) 0001 (b) 0010
(c) 0100 (d) 1000
- Q-29. The barcode reader in a device used to
(a) Input data (b) Output data
(c) Store data (d) Process data
- Q-30. Which of the following devices is not used in point of sale terminals ?
(a) Printer (b) Plotter
(c) Barcode reader (d) Electronic cash register
- Q-31. The one's complement of 01010011 is
(a) 11010011 (b) 01011111
(c) 10101100 (d) 11111111
- Q-32. In modern computers the CPU speed is measured
(a) Nano seconds (b) Milli seconds
(c) MHz (d) GHz
- Q-33. Transferring data from a remote computer of your computer is referred to as

- (a) Uploading
- (b) Browsing
- (c) Downloading
- (d) Data mining

Q-34. The scrambling of message at the sending and unscrambling them at the receiving end is called

- (a) Espionage
- (b) Encryption
- (c) Coding
- (d) Eavesdropping

Q-35. Which of the following is used to create 2D and 3D drawings ?

- (a) CAD
- (b) CAE
- (c) CAM
- (d) CAMM

Q-36. The acronym HTTP stands for

- (a) Hyper TEXT Transfer Protocol
- (b) Hyper Text Transmission Protocol
- (c) Higher Text Transmission Protocol
- (d) Higher Text Transfer Protocol

Q-37. Which of the following is neither validation nor a verification check

- (a) Storage media check
- (b) Inconsistency check
- (c) Date type check
- (d) Range check

Q-38. Which type of processing system will use sequential file organization

- (a) Batch processing
- (b) Real time processing
- (c) Transaction processing
- (d) One line processing

Q-39. Which of the following is the correct process for inserting a repeated sentence in different locations of a document

- (a) copy, cut and paste
- (b) cut and paste
- (c) copy and paste
- (d) cut and copy

Q-40. Which of the following is the default justification of numbers in spread sheets

- (a) Left
- (b) Full
- (c) Centred
- (d) Right

Q-41. Which of the following may not be included in power point presentation...

- (a) Photos
- (b) Text
- (c) Chat
- (d) Sound

Q-42. Which of the following is normally used for website to website connection

- (a) Modem
- (b) Monitor
- (c) Hyperlink
- (d) Hypertext

Q-43. Spread sheet formulae use

- (a) Values, labels or cell addresses
- (b) Values, mathematical operators or cell addresses
- (c) Labels or cell addresses
- (d) Values or cell addresses

Q-44. The object that is used to produce a list of records that meets a particular criterion is a

- (a) Form
- (b) Table
- (c) Module
- (d) Query

Q-45. The term used to describe text in a spread sheet that is aligned to words left by default is

- (a) Value formula
- (b) Headings
- (c) labels
- (d) Values

Q-46. Consider the following algorithm

```
a = 7
b = 9
a = b - a
b = a+b
write a, b
the output of the algorithm is
```

- (a) 2,9
- (b) 2, 11
- (c) 7, 9
- (d) 7, 11

Q-47. Which of the following is not a step in problem solving

- (a) Sell the program
- (b) Test the program
- (c) Define the problem
- (d) Evaluate the solutions

Q-48. Which of the following characteristics must two data base tables have in order for them to be linked

- (a) At least one common attribute
- (b) Composite keys
- (c) At least two tuples in the label
- (d) The same data in all tuples

Q-49. In preparing a computer program, the programmer should first

- (a) Plan the solution
- (b) Code the progress
- (c) Prepare programme documentation
- (d) Define the problem

Q-50. Google is an example of

- (a) Internet explorer
- (b) A web browser
- (c) A search engine
- (d) The world wide web

Q-51. Which one of the following is done through DTP ?

- (a) Block designing
- (b) Pamphlet designing
- (c) Advertising designing
- (d) All of the above

Q-52. In which of these types of printing are used the metal belt ?

- (a) Laser printing
- (b) Offset printing
- (c) Screen printing
- (d) None of the above

Q-53. Which of the following printers is using a ribbon ?

- (a) Dot matrix
- (b) Drum printer
- (c) Screen printing
- (d) None of the above

Q-54. How many types of computer graphics

- (a) 2
- (b) 3
- (c) 4
- (d) 5

Q-55. Which type of graphic size increases, there is no defect in quality ?

- (a) Print graphic
- (b) Vector graphic
- (c) Raster graphic
- (d) None of these

- Q-55. Which of the following printers is printing fastest ?
 (a) Laser (b) Inkjet
 (c) Drum printer (d) Dot matrix
- Q- 57. Which of these comes under desktop publishing ?
 (a) Engineering designing (b) Animation
 (c) Webpage designing (d) All of the above
- Q- 58. The hardware required for desktop publishing is -
 (a) Personal Computer (b) Laser printer
 (c) Image scanner (d) All of the above
- Q-59. What type of printer are laser printers
 (a) Impact printers (b) Non impact printers
 (c) Both of the above (d) None of the above
- Q-60. From which type of printer we can easily print graphs, charts, drawing, text and photos ?
 (a) Inkjet (b) Drum printer
 (c) Laser (d) Dot matrix
- Q- 61. Which of these is not the type of laser printer :
 (a) Lee chrome laser printer (b) Monochrome laser printer
 (c) Colour laser printer (d) None of the above
- Q- 62. Which of the following types of printing is the highest quality printing system ?
 (a) Screen printing (b) Letter press printing
 (c) Gravure printing (d) Offset printing
- Q-63. Offset printing is also known as -
 (a) Offset lithography (b) Offset methography
 (c) Offset flexography (d) Offset carton
- Q-64. Which of these printing methods is ubiquitous printing technology
 (a) Offset printing (b) Screen printing
 (c) Letter press printing (d) Gravure printing
- Q-65. Which of these is published under DTP ?
 (a) News letters (b) Brochures
 (c) The books (d) All of the above
- Q-66. The graphics can be
 (a) Drawing (b) Photographs, movies
 (c) Simulation (d) All of the above
- Q-67. Which environment has been one of the most accepted test for computer graphics in business and graphics design studios
 (a) Graphics (b) Macintosh
 (c) Quake (d) Multimedia

Q- 68. Three dimensional graphics became popular in games designing, multimedia and animation during the late

- (a) 1960
- (b) 1970
- (c) 1980
- (d) 1990

Q-69. Vector graphics is composed of

- (a) Pixels
- (b) Paths
- (c) Palette
- (d) None of the above

Q- 70. Raster images are more commonly called .

- (a) Pix map
- (b) Bit map
- (c) Both a and b
- (d) None of the above

Q-71. The brightness of each pixel is

- (a) Compatible
- (b) Incompatible
- (c) Both a and b
- (d) None of the above

Q- 72. Each pixel has basic colour components

- (a) Two or three
- (b) One or two
- (c) Three or four
- (d) none of these

Q 73. Higher the number of pixel ----- the image quality

- (a) Bad
- (b) Better
- (c) Smaller
- (d) None of above

Q-74 Display card are

- (a) VGA
- (b) EGA
- (c) Both a and b
- (d) None of the above

Q-75. Several graphics image file formats that are used by most of graphics system are

- (a) GIF
- (b) JPEG
- (c) TIFF
- (d) All of above

Q-76. One a file is saved in JPEG, some data is lost

- (a) Temporarily
- (b) Permanently
- (c) Both a and b
- (d) None of the above

Q-77 TIFF (tagged image file format) are used for

- (a) Vector graphics
- (b) Bitmap
- (c) Both a and b
- (d) None of the above

Q-78. Examples of presentation graphics is

- (a) Line graphics
- (b) Bar charts
- (c) Both a and b
- (d) CAD

Q-79. Technique used to summarize the financial, statistical, mathematical, scientific and economic data is ?

- (a) Presentation graphics
- (b) Image processing
- (c) Computer Art
- (d) None of the above

- Q-80 Graphics programmes are those which create
 (a) Designs (b) Images
 (c) Pictures (d) All of the above
- Q-81. We have ----- paper orientation in Corel draw
 (a) 1 (b) 2
 (c) 3 (d) 4
- Q-82. Corel draw is a Based drawing application package
 (a) Photo paint (b) Bit map
 (c) Vector (d) Scalar
- Q-83. In Corel draw the key board shortcut to save your drawing is
 (a) Ctrl + S (b) Ctrl + C
 (c) Ctrl + Z (d) Ctrl + A
- Q-84. Using which of the following can we modify images in Corel draw
 (a) Corel R Photo-Paint™ (b) Corel capture
 (c) Corel Connect (d) Corel R power trace
- Q-85. Find what type of text would you use to create a title
 (a) Artistic (b) Paragraph
 (c) Bezier (d) Freehand
- Q-86. What license is adobe creative suite distributed under ?
 (a) EULA (b) Proprietary
 (c) Proprietary software (d) Freeware
- Q-87. What was adobe fireworks written in
 (a) GTK (b) Objective -C
 (c) C (d) XUL
- Q-88. Which of the following platform does Adobe Illustrator run on
 (a) Window (b) Window vista
 (c) MAC OS X (d) Windows 7
- Q-89. Pixels represent tiny..... of colour which are typically unseen by the naked eye
 (a) Circles (b) Squares
 (c) Inches (d) Swatches
- Q-90. is any combination of text graphic art, sound, animation and video delivered to you by computer or other electronic devices
 (a) Multimedia (b) Network
 (c) Hyper media (d) Visual media
- Q-91. You need hardware, software and To make multimedia
 (a) Network (b) Compact disk drive
 (c) Good idea (d) Programming knowledge

Q-92. GUI stands for

- (a) General User Interface
- (b) Graphic User Interchange
- (c) Graphical User Interface
- (d) Graphical User Information

Q-93. Computer device which is able to capture the images of any type including solid objects is known as

- (a) Web cam
- (b) Video cam
- (c) Scanner
- (d) Images viewer

Q-94. Scanner incorporates a special sort of camera which is made up of

- (a) Sensor
- (b) Chip
- (c) Laser light
- (d) Charged coupled device

Q-95. Computer device which detects each spot of image on a paper is

- (a) Video cam
- (b) Web cam
- (c) Scanner
- (d) Printer

Q-96. Computer interface that is used by DOS is called

- (a) Menu driven interface
- (b) Command driven interface
- (c) Design interface
- (d) System interface

Q-97. scanners are more versatile and can read data passed near the scanning

- (a) Laser based
- (b) Hand held
- (c) Contact
- (d) Either a or b

Q-98. The devices can scan marks from a computer readable paper -

- (a) CRT
- (b) OMR
- (c) LCD
- (d) All of the above

Q-99. in a example of softcopy device

- (a) Printer
- (b) Monitor
- (c) Scanner
- (d) Keyboard

Q-100. which of the following is not an output device ?

- (a) Plotter
- (b) Scanner
- (c) Flat screen
- (d) Touch screen

Post: Technical Assistant (Production) Question Paper - III

Time allowed: 90 minutes

Maximum Marks: 300

Note:

- (i) Total number of Questions: 100
- (ii) Three (03) mark for each correct answer.
- (iii) Negative one (-1) mark for each wrong answer.
- (iv) All questions are compulsory.
- (v) Answer the questions after carefully reading the text.

1. Which of the following is the oldest form of printing?

- (A) Offset
- (B) Letter Press
- (C) Gravure
- (D) Screen

2. In printing DPI stands for

- (A) Dots per Inch
- (B) Dots per Ink
- (C) Data per Inch
- (D) Dash per Inch

3. Font size is related to size of _____

- (A) Pictures
- (B) Alphabets
- (C) Graphics
- (D) Book

4. World's first printing press was established at

- (A) Germany
- (B) China
- (C) USA
- (D) India

5. How many points are in a pica?
- (A) 6
 - (B) 16
 - (C) 12
 - (D) 72
6. Unicode fonts are mainly used in which language?
- (A) Hindi
 - (B) English
 - (C) Hindi & English both
 - (D) None of above
7. In designing, complement of blue colour is _____
- (A) Red
 - (B) Yellow
 - (C) Orange
 - (D) Yellow – Orange
8. Which file format is mainly used for photographs?
- (A) .doc
 - (B) PDF
 - (C) .jpg
 - (D) None of above
9. In modern printing, what is CTP?
- (A) Computer - to - Plate
 - (B) Computer - to - Press
 - (C) Calculator - to - Print
 - (D) Case - to - Press

10. Weight of paper is expressed as

- (A) GSMM
- (B) GSM
- (C) KGSM
- (D) None of above

11. Arrange these category of publications in ascending order of their volume of contents:

A – Flyer, B – Brochure, C – Bulletin, D- Book.

- (A) ABCD
- (B) BACD
- (C) CABD
- (D) BADC

12. Which of the following is a printing process?

- (A) Réprography
- (B) Calligraphy
- (C) Infography
- (D) Flexography

13. Bold, Italic and Condensed are related with

- (A) Fonts
- (B) Graphics
- (C) Pictures
- (D) Line Drawings

14. In printing, the phrase Printer's Devil generally denotes

- (A) Overcharging by Printer
- (B) Denying of job by Printer
- (C) Blunder in Printing
- (D) None of above

15. What is Bibliography?

- (A) Printing Process
- (B) Alphabetical listing of topics
- (C) List of reference literature
- (D) None of above

16. The method of assembling sections or loose sheets in order is called.....

- (A) Folding
- (B) Counting
- (C) Gathering
- (D) Nipping

17. Which of the following is a type of paper?

- (A) Geo map
- (B) Map litho
- (C) Map marker
- (D) Method map

18. What is the cut-size of Foolscap paper in inches?

- (A) 13.25 x 16.50
- (B) 13.50 x 8.50
- (C) 15 x 20
- (D) 16.50 x 21

19. Blind Folio pages are.....

- (A) Unprinted page number but included in pagination.
- (B) Unprinted page number but not included in pagination.
- (C) Pages with printed page numbers.
- (D) None of above

20. What is a dummy copy of a publication?
- (A) First copy of the publication.
 - (B) Last copy of the publication.
 - (C) Prototype copy of the proposed publication.
 - (D) Damaged copy of a publication.
21. In printing terminology, what is Recto?
- (A) Left hand page of an opened book
 - (B) Right hand page of an opened book
 - (C) Cover of a book
 - (D) Last page of a book
22. In printing terminology, what is Verso?
- (A) Left hand page of an opened book
 - (B) Right hand page of an opened book
 - (C) Cover of a book
 - (D) Last page of a book
23. Which of these is not a designing software?
- (A) InDesign
 - (B) Corel Draw
 - (C) Pinterest
 - (D) Page Maker
24. In colour printing, how many basic colors are used?
- (A) 1
 - (B) 3
 - (C) 2
 - (D) 4

25. When printing area covers entire page, it is called

- (A) Line printing
- (B) Bleeding
- (C) Half – Tone
- (D) Duo – Tone

26. Composition of text, photographs, graphics etc. in a page is called

- (A) Page composing
- (B) Page Make - up
- (C) Page setting
- (D) None of above

27. In printing, Gold, Silver, Copper are

- (A) Non-Metallic colours
- (B) Metallic colours
- (C) Basic colours
- (D) Fluorescent colours

28. A page layout where the page is taller than its width is called

- (A) Landscape
- (B) Portrait
- (C) Horizontal
- (D) Parent sheet

29. In printing, Flush left and right is

- (A) Make - up
- (B) Alignment
- (C) Process
- (D) None of above



30. What is DTP?

- (A) Direct Type Printing
- (B) Direct to Printing
- (C) Desk Top Publishing
- (D) Desk Type Printing

31. Which is a colour adjustment that creates shades of a colour?

- (A) Mark
- (B) Gradient
- (C) Opacity
- (D) None of above

32. Offset Process is a

- (A) Direct Printing
- (B) Intaglio Printing
- (C) Indirect Printing
- (D) None of above

33. Which of the metal is not used for making printing plates?

- (A) Iron
- (B) Aluminium
- (C) Copper
- (D) Zinc

34. Line, shape, colours and type are major elements of

- (A) Page – Makeup
- (B) Type – Setting
- (C) Graphic Design
- (D) Layout

35. When a printed sheet is covered by a film, it is called

- (A) Varnish
- (B) Labeling
- (C) Coating
- (D) Lamination

36. Sizing of a paper is done to

- (A) Size paper as per book
- (B) Shine the paper
- (C) Minimize ink soaking tendency of a paper
- (D) Cut paper

37. In a printing machine, the place where paper is placed for printing is called.....

- (A) Dining Unit
- (B) Feeding Unit
- (C) Delivery Unit
- (D) Service Unit

38. Printing on both sides of paper in a single pass is called.....

- (A) Passing
- (B) Perfecting
- (C) Orienting
- (D) Grilling

39. In computer terminology, the abbreviation PDF stands for

- (A) Portable Document Format
- (B) Printable Document Format
- (C) Portable Document File
- (D) Portable Delivery Film

40. In the offset printing machine, the unit where water is stored for applying on plate is called.....
- (A) Moisture Unit
 - (B) Dampening Unit
 - (C) Aqua Unit
 - (D) Liquid Unit
41. Which software is mainly used for creating tables of data/information?
- (A) MS Word
 - (B) MS Excel
 - (C) Ms PowerPoint
 - (D) Photoshop
42. Die stamping is also a process of.....
- (A) Offset Printing
 - (B) Gravure Printing
 - (C) Emboss Printing
 - (D) Screen Printing
43. Optical centre of page is a point which.....
- (A) Attracts maximum attention of reader
 - (B) Attracts minimum attention of a reader
 - (C) Gets maximum colour contrast
 - (D) None of above
44. Which of the following font is not of English language?
- (A) Times Roman
 - (B) Universe
 - (C) Krutidev
 - (D) Garamond

45. Screen printing process is popular for printing of

- (A) Newspapers
- (B) Books
- (C) Invitation Cards
- (D) Encyclopedias

46. Spine is a part of which category of publication?

- (A) Flyer
- (B) Folder
- (C) Visiting Cards
- (D) Books

47. Rounding and Backing are part of the process of

- (A) Printing
- (B) Binding
- (C) Composing
- (D) Lamination

48. Which of the following is not a type of binding?

- (A) Section Sewing
- (B) Centre – Stitch
- (C) Parallel
- (D) Perfect

49. Which size of font would you use for title of a book?

- (A) 6 points
- (B) 8 points
- (C) 10 points
- (D) 36 points

50. Which type of binding is suitable for calendars?

- (A) Perfect
- (B) Stitch
- (C) Spiral
- (D) Sewing

51. Which is the device for processing of photographs for printing?

- (A) Printer
- (B) Scanner
- (C) CPU
- (D) UPS

52. Which is not a type of printer?

- (A) Ink-jet
- (B) Laser
- (C) Flat-bed
- (D) Dot-Matrix

53. Which of the following is a printing defect?

- (A) Scrubber
- (B) Scum
- (C) Emulsion
- (D) Dry printing

54. 'Work and Turn' is a process in.....

- (A) Printing
- (B) Composing
- (C) Binding
- (D) Laying

55. In printing, what is OMR?

- (A) Opaque Mark Recognition
- (B) Optical Matrix Recognition
- (C) Off Mark Registration
- (D) Optical Mark Recognition

56. Outer cover of a hard-bound publication is called.....

- (A) Jacket
- (B) Shirt
- (C) Coat
- (D) Cover

57. Bond paper is characterized by its unique.....

- (A) Invisible Mark
- (B) Water Mark
- (C) Printing Mark
- (D) Hologram

58. QR Code can be designed in.....

- (A) Corel Draw
- (B) InDesign
- (C) MS PowerPoint
- (D) Photoshop

59. Animations can be produced by using.....

- (A) InDesign
- (B) Photoshop
- (C) Corel Draw
- (D) None of above

60. Which paper is used on the gumming area of the sticker?

- (A) Release Paper
- (B) Bond Paper
- (C) Art Paper
- (D) Newsprint

61. Original product/publication can be identified by its unique

- (A) Design
- (B) Hologram
- (C) Colour
- (D) Paragram

62. In a book, end paper is placed at.....

- (A) Opening of book
- (B) Closing of book
- (C) A & B both
- (D) None of above

63. In Corel Draw which tool is used for cropping?

- (A) Pick tool
- (B) Shape tool
- (C) Knife tool
- (D) Zoom tool

64. In Corel Draw which tool allows to take a closer look of an object?

- (A) Zoom
- (B) Pick
- (C) Text
- (D) Eyedropper

65. Which type of cloth was basically used in screen-printing process?

- (A) Cotton
- (B) Silk
- (C) Linen
- (D) Khadi

66. What is CRC in printing process?

- (A) Computer Ready Copy
- (B) Camera Ready Copy
- (C) Camera Reverse Copy
- (D) Computer Reverse Copy

67. What is RAM in a Computer?

- (A) Random Access Memory
- (B) Random Accept Memory
- (C) Regular Account Memory
- (D) Regarding Access Memory

68. In Computer network 1 MB data is equal to.....

- (A) 1000 KB
- (B) 1024 KB
- (C) 1100 KB
- (D) 1050 KB

69. Which is the most useful software to edit photographs?

- (A) PowerPoint
- (B) Photoshop
- (C) Beta Photo
- (D) My Photo

70. Which of the following printer uses ribbon for printing?

- (A) Laser Printer
- (B) Dot Matrix Printer
- (C) Inkjet Printer
- (D) Drum Printer

71. What is the use of plates in printing?

- (A) To create the image
- (B) To spread the ink
- (C) To transfer the image
- (D) For all of above

72. Which of the following file format is used for transparent background image?

- (A) .gif
- (B) .png
- (C) .jpg
- (D) None of above

73. Which is the layout programme generally used for making page layouts of large format publications?

- (A) Corel Draw
- (B) Photoshop
- (C) QuarkXPress
- (D) None of above

74. Which of the following is not a basic color of printing?

- (A) Cyan
- (B) Yellow
- (C) Violet
- (D) Magenta

75. In a book, running head is the.....

- (A) Name of the book or title of the chapter which is given at the top of each page.
- (B) Title of Book on the Cover page
- (C) Page number appearing on each page
- (D) None of above

76. In printing, page number is technically called.....

- (A) Type
- (B) Folio
- (C) Numbering
- (D) Galley Number

77. Space left blank on the top of a fresh chapter is called.....

- (A) Folio
- (B) Sink
- (C) Bleed
- (D) Gutter

78. What is a screen in a printed page?

- (A) Photograph
- (B) Graphics
- (C) Shaded Background
- (D) Blank Space

79. In plate making process, what does PS stands for?

- (A) Post – Sensitized
- (B) Pre – Sensitized
- (C) Perfect Screen
- (D) Post Screen

80. Which of the following paper is a coated paper?

- (A) Newsprint
- (B) Maplitho
- (C) Art Paper
- (D) Bond Paper

81. Ferro – proofs are.....

- (A) Ist Proofs
- (B) 2nd Proofs
- (C) Final Proofs
- (D) Galley Proofs

82. Folded printed sheet of a book under printing is called.....

- (A) Class
- (B) Section
- (C) Block
- (D) Segment

83. Generally Wooden Block printing is done on.....

- (A) Paper
- (B) Cloth
- (C) Tiles
- (D) Objects

84. Who is called father of Printing?

- (A) Charles Babbage
- (B) Thomas Alva Edison
- (C) Johann Gutenberg
- (D) None of above

85. You may organize file by storing them in.....

- (A) Archives
- (B) Folder
- (C) Indexes
- (D) Lists

86. In cheques MICR stands for

- (A) Magnetic Ink Character Reader
- (B) Magnetic Ink Code Reader
- (C) Magnetic Ink Cases Reader
- (D) None of above

87. Which of the following is a storage device?

- (A) Tape
- (B) Hard Disk
- (C) Floppy Disk
- (D) All of above

88. 1 Byte =?

- (A) 8 bits
- (B) 4 bits
- (C) 2 bits
- (D) 9 bits

89. Which one of the following is not a computer language?

- (A) MS – Excel
- (B) BASIC
- (C) COBAL
- (D) C++

90. The Process of transferring files from Internet to your computer is called

- (A) Downloading
- (B) Uploading
- (C) FTP
- (D) JPEG

91. What is the most common tool used to restrict access to a computer system?

- (A) User logins
- (B) Passwords
- (C) Computer keys
- (D) Access-control software

92. Which device is used to prevent the loss of data during power failures?

- (A) Encryption program
- (B) Surge protector
- (C) Firewall
- (D) UPS

93. are system software to facilitate editing of text and data

- (A) MS Word
- (B) Editors
- (C) PowerPoint
- (D) MS publisher

94. In a Publication ISBN stands for.....

- (A) International Standard Book Number
- (B) International Simple Book Number
- (C) Indian Standard Book Number
- (D) Indian Simple Book Number

95. In a publication, Printer's Imprint gives details of _____.

- (A) Authors
- (B) Printer & Publisher
- (C) Editors
- (D) Subject of Publication

96. Planta, Roland and Komori are

- (A) Offset printing Machines
- (B) Letter Press Printing Machine
- (C) Screen Printing Device
- (D) Computers

97. What is frontispiece of a book?

- (A) First left hand page of the book
- (B) First right hand page of the book
- (C) Last left hand page of the book
- (D) Last right hand page of the book

98. One inch is equal to _____

- (A) 12 points
- (B) 24 points
- (C) 36 points
- (D) 72 points

99. Which of the following is a Unicode font?

- (A) Mangal
- (B) Krutidev
- (C) Helvetica
- (D) Times Roman

100. In a Newspaper published in eight columns, what is the width of a column?

(A) 4 cm

(B) 8 cm

(C) 10 cm

(D) 18 cm