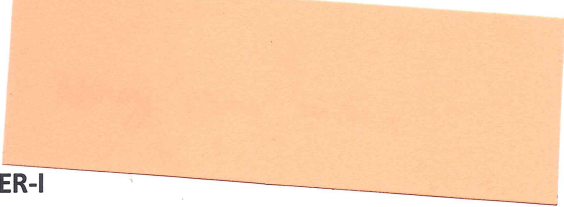


Handwritten notes and signatures in blue ink, including dates like 12/10/18 and 12/11/18, and a signature.



**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  $x^2 - 4x + 1 = 0$ , the value of  $[(x^6 + 1) / x^3]$  is  
(a) 48  
(b) 52  
(c) 55  
(d) 58
  
2. 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
  
3. 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
  
4. The value of  $\sqrt{(2 + (\sqrt{2} + (\sqrt{2} + \dots \infty)))}$   
(a) 2  
(b)  $\sqrt{2}$   
(c)  $2\sqrt{2}$   
(d)  $2 + \sqrt{2}$
  
5. 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
  
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

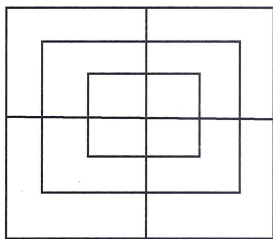
- (d) 7 days
7. What is the ratio of simple interest earned on certain amount at the rate of 12% per annum for 9 years and that for 12 years :
- (a) 1:2
  - (b) 2:3
  - (c) 3:4
  - (d) 4:5
8. A farmer purchased a piece of land for Rs. 18 Lakh and spent Rs. 3 Lakh for registration, fencing etc. He sold 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) 7/14
  - (b) 12/24
  - (c) 15/30
  - (d) 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  $[(2.39)^2 - (1.61)^2] / [(2.39) - (1.61)]$  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

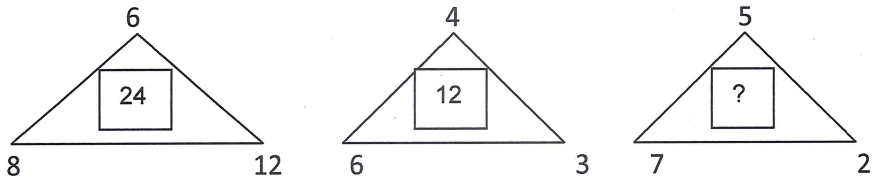
17. K is brother of N and X. Y is the mother of N and Z is the father of K. Which of the following statements is not true :

- (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 :

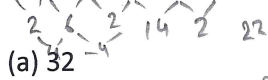


- (a) 18
- (b) 46
- (c) 80
- (d) 70

*26  
21*

20. Fill in the blanks

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



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

*1^2 + 3 + 2^2 + 2 + 3^2 + 3 + 4^2 +*

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)  $145^\circ$
- (b)  $150^\circ$
- (c)  $155^\circ$
- (d)  $160^\circ$

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

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

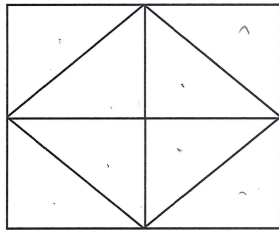
- (a) 5

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

24. ~~A~~TRIBUTION, ~~T~~TRIBUTIO, ~~R~~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

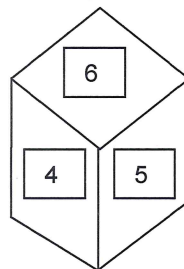
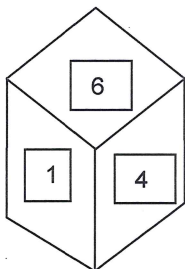
33. ✓ Meat : Vegetarian :: Liquor : ?

- (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

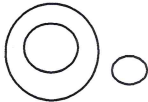

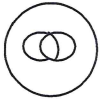
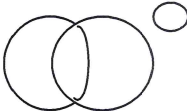
35. ✓ Two positions of a dice are shown below. When the number 1 is on top, what number will be at the bottom :



- (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 :

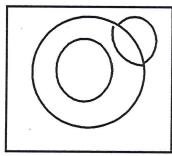
TERMINATION

- (a) NOTICE ✓
- ~~(b) TRICK ✗~~
- (c) RATION
- (d) CROAM

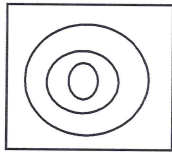
39. In a certain code, EAT is written as 318 and CHAIR is written as 24156. What will the TEACHER be written :

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

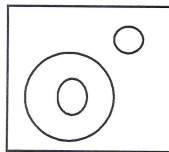
40. Which one of the following Venn diagrams correctly represents Planet, Earth and Sun :



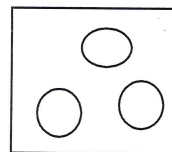
(a)



(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

Handwritten calculation:  
 $\frac{5 \times 2 \times 3}{5 \times 4} \times 12 \times 3$   
 $10 :$

44. 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

Handwritten calculation:  
 $\frac{2700}{60} \times 3 = 135$

45. 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

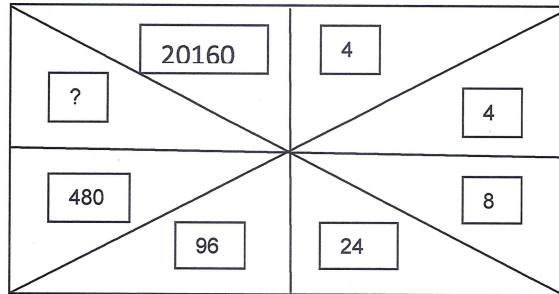
Handwritten calculation:  
 $\frac{\sqrt{784}}{10} + \frac{\sqrt{784}}{100} + \frac{\sqrt{784}}{1000} + \frac{\sqrt{784}}{10000}$   
 $\frac{28}{10} + \frac{28}{100} + \frac{28}{1000} + \frac{28}{10000}$   
 $2.8 + 0.28 + 0.028 + 0.0028 = 3.1108$

46. 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 :

Handwritten calculation:  
 $\frac{17 \times 25 + x}{26} = 18$   
 $425 + x = 468$   
 $x = 43$

- (a) 43
- (b) 35
- (c) 40
- (d) 45

47. What is the missing number :



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

48. 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%

$$20cp = 20cp + 4sp$$

$$20sp = 16sp = 20cp$$

$$\frac{sp}{cp} = \frac{20}{16} = \frac{5}{4} \times 100$$

49. 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

50. 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

**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. Complete the idiom : My mother said "Speak of the ..... " as she saw him walking down the stairs.

- (a) Man (b) Woman  
(c) Devil (d) God

Q-2. Identify the given sentence : Oh my God ! That is stunning !

- (a) Imperative (b) Exclamatory  
(c) Declarative (d) Interrogative

Q-3. What is the synonym of : Curious

- (a) Unconcerned (b) Inquisitive  
(c) Disinterested (d) Ordinary

Q-4. Fill in the blank. I \_\_\_\_ an iPod last month.

- (a) Have bought (b) Buy  
(c) Bought (d) Am buying

Q-5. Fill in the blank ! We went to the \_\_\_\_\_ to see how coins are made.

- (a) Mint (b) Winery  
(c) Tannery (d) Arsenal

Q-6. Which of the below given words is spelt correctly ?

- (a) Acident (b) Acciddent  
(c) Accident (d) Accidint

*accident*

Q-7. What is the antonym of : sluggish

- (a) Lethargic (b) Heavy  
(c) Stagnant (d) Alert

Q-8. Find the odd word out : content, upset, willing, gratified

- (a) content (b) upset  
(c) willing (d) gratified

Q-9. \_\_\_\_\_ Oranges are grown in Nagpur.

- (a) A (b) An  
(c) The (d) No article

Q-10. The longer/ river in/ our country is / Ganga

- (a) The longer (b) River in  
(c) our country is (d) Ganga

Q-11. Mahatma Gandhi was born in Porbandar

- (a) Simple past (b) Simple present  
(c) Simple future (d) Past continuous

Q-12. Man who has committed such an \_\_\_\_\_ crime must get the most severe punishment.

- (a) Injurious (b) Uncharitable  
(c) Unworthy (d) Abominable

Q-13. Select the odd one out .

- (a) Radium (b) Radio  
(c) Granite (d) Dynamite

Q-14. Please don't \_\_\_\_\_ when I am talking.

- (a) disrupt (b) interface  
(c) interrupt (d) disturb

Q-15. His legal \_\_\_\_\_ is Sheela.

- (a) heir (b) Hase  
(c) Hair (d) Here

Q-16. S1 Smoke oofed up between the plants.

P : Passengers were told to be ready to quit the ship.

Q : The rising gale farmed the smoldering fire.

R : Everyone now knew there was fire on board.

S : Flames broke out here and these.

S6 : Most people bore the shock bravely.

The proper sequence should be :

- (a) SRQP (b) QPSR  
(c) RSPQ (d) QSRP

Q-17. I prefer \_\_\_\_\_ by air.

- (a) to be going (b) to gone  
(c) going (d) to going

Q-18. That which cannot be corrected

- (a) Unintelligible (b) Indelible  
(c) Illegible (d) Incorrigible

Q-19. Pick the suitable prefix : compose

- (a) de (b) dis  
(c) mis (d) an

Q-20. Ram has / senior to / Sam in college.

- (a) Ram was (b) senior to  
(c) Sam in college (d) No error

Q-21. Sentence formation :-

1. I  
2. Immediately  
3. Salary  
4. My

15432

5. Want

- (a) 43152
- (c) 25143

- (b) 15432
- (d) 42351

(e) 45132

Q-22. Select the pair which has the same relationship.

PAIN : SEDATIVE

- (a) comfort : stimulant
- (c) trance : narcotic

- (b) grief : consolation
- (d) ache : extraction

Q-23. Give one word substitution – A person who loves everybody .

- (a) cosmopolitan
- (c) Atheist

- (b) Fratricide
- (d) Aristocrat

Q-24. Write it down \_\_\_\_\_ you don't forget.

- (a) so
- (c) although
- (e) Since

- (b) so that
- (d) when

Q- 25. Find the correct spelt word.

- (a) Affedivit
- (c) Affidevit

- (b) Afidevit
- (d) Affidavit

**( 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. How many languages are recognized by Indian constitution ?

- (a) 15 (b) 16 (c) 22 (d) 20

Q-2. Who started the coin in India from the following ?

- (a) Mohamad Bin Tuglak (b) Allaudin Khilji (c) Shershah Suri (d) Akbar

Q-3. For which disease Anti-toxin injection is used ?

- (a) Titnas (b) Flaria (c) Tuberculosis (d) Typhoid

Q-4. Who has given the title of "Father of Nation" to Mahatma Gandhi ?

- (a) Sardar Vallabh Bhai Patel (b) Pt. Madan Mohan malviya  
(c) Pt. Jwahr Lal Nehru (d) Netaji Subash Chandra Bose

Q-5. Who was the first lady judge of supreme court ?

- (a) Smt. Sona Khan (b) Karanam Malleshwari (c) Sushmita Sen (d) M.Fatima Biwi

Q-6. Amla is enriched with which vitamin ?

- (a) vitamin B (b) vitamin E (c) vitamin A (d) vitamin C

Q-7. Which is the largest state of India ?

- (a) Uttar Pradesh (b) Maharastra  
(c) Rajasthan (d) Madhya Pradesh

Q-8. Which one in the electricity conductivity metal ?

- (a) Silver (b) Corban (c) Iran (d) Gold

Q-9. Xuanzang discripted the period of which emperor ?

- (a) Kanishk (b) Harsh Wardhan (c) Samunder Gupt (d) Chandragupt Maurya

Q-10. How many continents are there on earth ?

- (a) 4 (b) 6 (c) 5 (d) 7

Q-11. Who was the first man to reach into space ?

- (a) Major Yuri Gagrene (b) Valentina Taseshkova (c) Rakesh Sharma (d) Neil Armstrong

Q-12. Which is the oldest religion of the world ?

- (a) Budha religion (b) Yahudi religion (c) Sanatan religion (d) Arbi religion

Q-13. CSIR is the name of which organization ?

- (a) Central Scientific Institute of Research (b) Central Scientific Research Institute  
(c) Council of Scientific and Industrial Research (d) Central Science Industrial Research

Q-14. Who was the first lady IPS officer of India ?

- (a) Sarojini Naidu (b) Mother Teresa (c) Vimla Devi (d) Kiran Bedi

Q-15. When is the International Environment day celebrated ?

- (a) 4 June (b) 5 June (c) 3 June (d) 1 June

Q-16. Which is the longest dam of India ?

- (a) Bhakhra Dam (b) Indira Sagar (c) Hira Kund Dam (d) Nagarjuna Sagar Dam

Q-17. How many states are in India ?

- (a) 28 (b) 29 (c) 36 (d) 15

Q-18. Who was the first Indian women to win gold medal in Asian Games ?

- (a) Kamaljeet Sandhu (b) P.T. Usha (c) Bachendri Pal (d) Saina Wilsion

Q-19. Insulin is used to cure which disease ?

- (a) T.B. (b) Diabetes (c) High Blood Pressure (d) Low Blood Pressure

Q-20. The word 'Bharat' was originated from the name of which famous king ?

- (a) Maharana Pratap (b) Chandra Gupt Maurya (c) Bharat Chakravarti (d) Ashoka Maurya

Q-21. Which state of India gets the first ray of sunlight ?

- (a) Assam (b) Arunachal Pradesh

- (c) Nagaland (d) Manipur

Q-21. Which state of India gets the first ray of sunlight ?

- (a) Assam (b) Arunachal Pradesh

- (c) Nagaland (d) Manipur

Q-22. Whom we called "Punjab Kesari" ?

- (a) Gopal Krishna Gokhle (b) Vipin chandrapal (c) Lala Lajpat Rai (d) Bal Gangadhar Tilak

Q-23. Who was the writer of 'Mahabharata' ?

(a) Tulsi Das (b) Surdas (c) Maharishi Valmiki (d) Maharishi Vedvayas

Q-24. Who is the chief commander of armed force in India ?

(a) Army Chief (b) Defense Minister (c) President (d) Prime Minister

Q-25. How many medals are bagged by India wrestlers in Asian Games 2018 ?

? (a) 8 (b) 10 (c) 12 (d) 6



- (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) format, 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) 1111111
- Q-32. In modern computers the CPU speed is measured  
 (a) Nano seconds (b) Milli secands  
 (c) MHz (d) GHz
- Q-33. Transferring data from a remote computer to 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 of 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. Which one of the following is different from other members ?

- (A) Google
- (B) Windows
- (C) Linux
- (D) Mac

Q-94. If  $(y)_x$  represents a number  $y$  in base  $x$ , then which of the following numbers is smallest of all ?

- (A)  $(1111)_2$
- (B)  $(1111)_8$
- (C)  $(1111)_{10}$
- (D)  $(1111)_{16}$

Q-95. The file extension of MS-Word document in Office 2007 is \_\_\_\_\_.

- (A) .pdf
- (B) .doc
- (C) .docx
- (D) .txt

Q-96. Which one of the following is correct ?

- (A)  $(17)_{10} = (17)_{16}$
- (B)  $(17)_{10} = (17)_8$
- (C)  $(17)_{10} = (10111)_2$
- (D)  $(17)_{10} = (10001)_2$

Q-97. If the binary equivalent of the decimal number 48 is 110000, then the binary equivalent of the decimal number 51 is given by

- (1) 110011
- (2) 110010
- (3) 110001
- (4) 110100

Q-98 Identify the IP address from the following:

- (A) 300-215 -317-3
- (B) 302-215@ 417 -5
- (C) 202 . 50 . 20 . 148
- (D) 202-50-20-148

Q-99 Arrange smallest Unit first and going down to the largest unit :

- (a) Kilobyte (b) Byte (c) Megabyte  
(d) Terabyte (e) Gigabyte (f) Bit

Give your answer from the following code :

- (1) (f), (b), (a), (c), (d), (e)  
(2) (f), (b), (a), (d), (e), (c)  
(3) (f), (b), (a), (c), (e), (d)  
(4) (f), (b), (a), (d), (c), (e)

F B A C e d

Q-100. **Which of the following statement(s) is/are TRUE ?**

S1 : The decimal number 11 is larger than the hexadecimal number 11.

S2 : In the binary number 1110.101, the fractional part has the decimal value as 0.625.

S1 only (2) S2 only (3) both S1 and S2 (4) Neither S1 nor S2