**Verbal**

1. choose the lettered pair that expresses a relationship most similar to relationship expressed in the capitalized pair. LINEAGE :PERSON.  
(A)foliage:tree  (B) derivation: word (C) adolescene : child (D) title:book

2. select the word among the given choices that is most nearly opposite in meaning to the word “NEGATION”  
(A) Hypothecation (B) postulation (C) affirmation (D) Anticipation

3. select the word or pharse  among the given choices that is most nearly similar in meaning to the word “ACM

(A)The highest point (B) sharpness (C) bottomless (d) harmony

4. given below  are words three of which belong to same category . find the word which  does not belong to that category.  
( A) Nimble (B) Sluggish (C) inert (D) torpid.

5. from the following sets of words ,choose the word correctly spelt.

(A)fasination (B)facination (C) fascination (D) fastenation.  
  
6. each of the following sentences is either in active or in passive voice and is followed by four alternatives as answers. choose the correct alternative . women like to be flattered by men.

(a). women like to flatter man   (b). men like to flatter flatter women.

(c).  women like men to flatter them. (d). none of these.

7. each  sentence is in direct or indirect speech and is followed by four alternatives                    of the opposite form of narration to that of the sentence , choose the correct alternative . the teacher forbade the boys to make a noise and advised them to do their work quietly.

   (a). the teacher said,”boys,do not make a noise.do your work quietly.”

   (b). the teacher said,” boys,do not make a noise to your work quietly”

   (c). the teacher forbade the boys.” Do not make a noise to do your quietly”.

   (d).none of these.

8. For each f the words given below a contextual usage is provided. Pick the work from the alternatives given that is most INAPPROPRIATE in the given context . A comprehensive approach to headache management combined with the rise of new drugs , appear to provide a reprieve to the numerous  sufferers.

(a).doubt      (b). acquittal  (c) assurance  (d) belief

9. Select among the given choices the correct phrase to replace the underlined phrase in the following sentence.

One person was killed and several others are injured in police firing and stone throwing, yesterday.

(a) one person is killed and severals others are injured

(b) one person was killed and several others were injured.  
(c). one person has been killed and several others are injured  
(d). one person was being killed and  several others are being  injured.  
  
(10). Given below are words three of which belong to the same category. Find the word which does not belong to the that category.

 (a). respect   (b) believe  (c) revere   (d) worship

(11). Choose one of the words given in four alternatives  which has wrong suffix.

 (a) beginning (b) begineng  (c) begininng    (d)  beginning

(12). Select the word  among the given choices that is most nearly opposite meaning to the word “NOTORIOUS”.

(A)Fashionable (B) invincible (C)intrepid (D)renowned

13.select the word or pharse among the given choices that is most nearly similar in meaning to the word “BASHFUL”.

(A)Vigilant (B)confident (C)shy (D)complicated.

14.for each of the words given below a contextual usage is provided .pick the work from the alternatives given that is most  INAPPROPRIATE in the given context .she is hot she is tasty, a delectable morsel on cool.Britain ’s multicultural gravy train.

(A) Palatable (B) bland (C)unsavory (D) offensive

15.select the option that can be substituted for the given sentence. A person with prejudiced views against religion.

   (A) bigot (b) fanatic  (c) orthodox (d) profane.

**ANALYTICAL**  
16. Two cards players, peter and parul,have  Rs 100 in the pot . They have agreed that the first player  to win 5 games shall win the pot. Each player has an equal chance  of winning each play.after peter has won 4 times and parul  has won 3 times ,the game is interrupted and they have to stop playing and share money . What’s the most fair amount of money that peter should get?

(A)50        (B)75         (C)66.75               (D) 80

17.The fraction EVE/DID=0.7986798679867986…….. is a normal fraction that can also be written as a recurring decimal. What is the vlue of I.

(A)0                  (B)1                      (C)3                  (D)4.

18. Substitute digits  for the letters to the following divison true

 HIL

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IL  |PHIL

   |IL

--------------

       T I

        LS

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   HIL

         HIL

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            000

note that the leftmost letter  can,t be zero in any word.Also , there  must be  a one-one mapping  between digits and letters . E.g  if you substitute 9  for the letter H,  no other  letter can be 9 and all  other  H in the puzzle must  be 9. what is the value of P.

(A) 2 (B)3 (C) 5 (D) 1

19.  A solar – powered car is being  test driven. The vechile  is driven at 30mph under  solar power  and 40 mph  under  regular  power .The trip to the nearest  town  takes  45 min  using both solar  and regular power ,wheras the return trip takes 50 min using only solar power . on the trip to the  town ,find the distance  driven using regular power?

(A)10 miles    (B) 15 miles   (C) 40 miles    (D) 25 miles

20. A team  of 36  members  is divided  into groups of equal size to make  a trip. Since  the  groups were too large  to fit in a car , 3 members  were  taken  from  each  group  and these  members  then  formed  into two  additional  groups .  after  this , all  groups had the same  number of  members . how  many members of the team  were  in a group  before the  three  members  were taken  out from each group ?

(A) 4            (B) 6                (C) 9               (D)  3

21. seven members of  a town  boards – F,G,H;J,K,L  and M – Vote  on a series  of resolutions. On each resolution ,every member votes either  aye or nay according  to  the following patterns.

H always votes  the  same way as G. If F votes aye ,then K votes  aye. Either M or H votes the opposite way from J. H and M never both votes aye. L never votes the same way as K. If G and K vote  aye which of the following  must be true.

(A) F votes aye  and M votes aye (b) H votes  aye  and F votes  nay. (c) J votes may and F votes  nay  . (D) L votes nay and M votes  nay.

22. which of the following  will appear  in the series ? 243,5, 81, 15, 27, 45, 9, ?.

(A) 27         (B) 15    (C) 5    (D) 135

23. how many times do the hands of the clock  point towards  each other in a day?

(A) 12         (B)18       (C) 22       (D) 24

24. a boy  was asked  to calculate  the roots  of quadratic  equation Ax2+Bx+C=0. HE CALCULATED one of the roots wrong  and other one right . with  his calculation  the sum  and product  of the roots  were  found to be 7 and 12 respectively. The product exceeded the product of the correct roots  by 6. which of the following  could nave been  the original quadratic equation?

(A)x2+7x+12=0 (B) x2-5x+6=0 (C) x2-7x-12=0 (D) x2-8x+12=0

25.The speed  of the boat  is 36 kmph  higher  than that  of  the stream in which it travels .  if  it can  travel 828 km downstream in 18 hours and the same in upstream  in 23 hours , its average speed is \_\_\_\_\_\_\_\_\_\_.

(A) 36 kmph  (B) 41 kmph  (C) 46 kmph  (D) 31 kmph.

26. A man travels by bus for 20 hours  and they by train for 05 hours . if the average speed of the bus was 20 kmph and that of the entire journey was 24 kmph. What was the average speed of the train?

(A) 44kmph (B) 30 kmph (C) 36 kmph (D) 40 kmph

27.  1) B is mother of D but D is not daughter of B.  2) A is son of M and brother of G.             3) G is sister of D

which of the following cannot be referred from the given information .?

(A)B has 3 children   (B)M has two sons  (c) G is younger  to B.    (D) A is younger to D.

28.  50% of the subscriber  to newspaper A are corporate managers and those 30% are in finance. If 40% of the subscriber who are corporate managers in finance are money managers, how many of the newspapers 25,000 subscriber  are corporate  money managers in the financial field.

(A) 1500         (B)1600   (C) 1800 (D) 1900

29.there are six children A.B,C,D,E and F are playing a game of football . they are related with each other as follows:

·         A-E are brothers.

·        B is A’ uncle’s son,

·        C and D are daughter’s of B’s father’s brother.

·        C-D are daughter’s of B’s father’s brother

·        C-D are cousins of B.

How many male members are there?

(A)2          (B)3              (C)4             (D)5.

**TECHNICAL**

31. Consider the following program

#include

main()

{char x[10],\*ptr=x;

scanf(“%s”,x);change(&x[4]);}

change(char a[])

{puts(a);}

if abcdefg is input, the output will be

(A) abcd   (B)abc   (C) efg   (D) garbage.

32.what will be the output ?

main()

{

struct xyz

              {int i:

                }

struct xyz \*p;

struct xyz a;

p=&a;

p->i=50;

printf(“%d”,\*p,i);

}

(A) compile time error (B) 0 (C)50  (D) garbage value.

33. a two dimensional array A is declared as int A[4][2]={0}.  What values would be printed after execution  the following statement?

Printf(“%d”,sizeof(A));

(A)4    (B)8       (C)  32 (D) none of these.

34. the output of the code fragment is

int x=4,\*y;

y=&x;(\*y)++;

printf(“%d,%d\n”,\*y);

(A)5 (B) 4 (C) 0 (D) syntax error.

35. In the link list implementation of the queue class,where does the insert method place  the new entry on the linked list.?

(A)at the head       (B) at the tail

(C) after the other entries that are greater than the other entry.

(D)after all other entry that are smaller than the new entry.

36.what  is the drawback in the threaded binary tree?

(A)null links are replaced with thread links  (B)does’nt contain null links.  (C)extra memory is required. (D)no extra memory is required.

38. which of the following option of the ls command prints non-graph character in octal.

(A) ls-a (B) ls-b (C) ls-I (D) ls-r

39.which of the following are essential operating system services that are general purpose ,multipurpose ,multi user computer operating  system should support

(A) interface support for computer operators

(B) performance analysis software for tuning the file system,process scheduling ,memory management and device driver characteristics

(C)facilities for making an inventory if installed software and hardware on the platform

(D)none of these.

40.when pack command is used the original file size is reduced by\_\_\_\_\_\_\_\_\_\_.

(A)25-40%   (B) 50-70% (C) 80% (D) none of these.

41  The \_\_\_\_\_\_\_\_\_\_ command extracts the fixed string and displace it.

(A) egrep  (B) fgrep  (C)grep (D) sgrep

42.here is a small piece of c++code containing a while loop

int i=0;

while (i<10)

{cout<<i<<endl;< p=""></i<<endl;<>

i++;

}

(A)0   (B)8   (C)  9    (D) 10

43. What is the difference between public and private inheritance?

(A) under the public inheritance ,public and protected  members of the base class have the same status in the derived class.

(B)under private inheritance ,public and protected members of the base class all become private members of the derived class.

(C)both A &B

(D) none of these.

44.inheritance facilitates reusability because

(A) child object cannot be modified.

(B)the base class need not be modified to derive a new class.

(C)derived class objects inherit only the desirable feature of the base class.

(D) objects of the base class can be treated  as objects of the derived class.

45.the ability for the processor to delegate its use by application is called?

(A) cooperative multitasking  (B) preemptive multitasking  (C) time slicing

(D)sharing

46.a thread differs from a lightweight process in that :

(A)threads have a parent process (B)threads share process’s resources but light weight process do not. (D)threads run in user space ,but light weight thread run in kernel space.

47.the login prompt can be changed by changing the contents of the file

(A)initab (B) init (C) passwd (D)gettydefs

48.which command is used to delete all files in the current directory as well as all files and sub directories in its sub directory?

(A)rm\*  (B)rm-r\*  (C)rm all (D)rm \*.\*

49. when all the elements above the main diagonal of a square matrix are zero ,then the matrix is said to be ‘lower triangular matrix’ .consider  that such a matrix A is represented in an array A[1:n\*(n+1)/2)], such that the elements aij are stored by rows in the array ,what is the addressing formula for element aij.(i.j=[1:n])

(A)(j\*(j+1)/2)+1   (B) (i\*(i+1)/2)+j         (C)(i\*(i-1)/2)+j        (D) (j\*(j-1)/2)+1

50.an algorithm for searching a large sorted array for a specific entry x compares every fourth item in the array to x until it finds one that is larger than or equal to x. whenever  a larger item is found ,the algorithm examines the preceding three entries .if the array is sorted smallest to the largest ,which of the following describes all cases when this algorithm might use  fewer comparisons to find x than would a binary  tree search?

(A)it will never use fewer comparisons.       (B)when x is very close to the beginning of the array . (C)when x is in the middle position in the array (D)when x is very close to the end of the array.