

**Aptitude test:**

Questions = 50; time limit = 50 minutes. no negative marking. Offline (paper & pen) test

There was individual cut off for all the sections

Section1- English, 15 questions

**Direction 1-5:** In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'

1. The house with all its / furniture and exotic plants / were sold for Rs. 50,000 / No error

Ans : C

2. The teacher asked the students / if everyone of them were interested in / going on an excursion / No error

Ans : B

3. a physiologist in the last century demonstrated / that puppies will die / if kept awake for more than five days / No error

Ans : B

4. It is unfortunate that / many youngsters get / addicted to gamble / No error

Ans : C

5. I have seen / that film last year / but I do not remember its story / No error

Ans: A

**Directions 6-10:** The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.

6. Plants : Coal

A) Crops : Manure    B) Animals : Oil    C) Cow : Milk    D) Fire : Smoke

Ans : B

7. Rectangle : Cylinder

A) Square : Sphere    B) Circle : Disc    C) Triangle : Cone    D) Wall : Room

Ans : C

8. Expend: Replenish

A) Exhort: Encourage B) Formant: Rebellion C) Defect: Rejoin D) Encroachment: Occupy

Ans: C

9. Graphite: Lubricant

A) Movement: Friction B) Iron: Steel C) Wool: Cloth D) Diamond: Abrasive

Ans: D

10. Cube: Cuboids

A) Oval: Sphere B) Square: Cube C) Sphere: Ellipsoid D) Triangle: Cone

Ans: C

**Directions 11-12:** In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.

11. They are building a house next door to our school

A) Next door to our school a house is being built by them

B) Next door to our school is being built a house by them

C) A house next door to our school is being built by them

D) A house is being built by them next door to our school

Ans: D

12. Have the box broken.

A) Have the broken box

B) Break the box

C) Get someone to break the box

D) They have broken the box

Ans: C

**Directions 13-15:** Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete

13. A man who connives .....the faults of his children is their worst enemy

A) With B) at C) of D) in

Ans: B

14. Some people revel.....gossip.

- A) At B) with C) by D) in

Ans: D

15. The officer warned me.....the office until five O'clock.

- A) Don't leave B) to leave C) to not leave D) not to leave

Ans: D

**Section 2: Aptitude 15 questions**

The questions 1-5 are based on the following data

The only people to attend a conference were four ship captains and the first mates of three of those captains. The captains were L, M, N and O; the first mates were A, D and G. Each person in turn delivered a report to the assembly as follows:

Each of the first mates delivered their report exactly after his or her captain. The first captain to speak was M, and captain N spoke after him.

1. Among the following which is not an appropriate order of delivered reports?

- A. M, A, N, G, O, L, D
- B. M, D, N, G, L, O, A
- C. M, N, A, L, D, O, G
- D. M, N, A, O, D, L, G
- E. M, N, G, D, O, L, A

Ans: E

2. In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be untrue?

- A. O spoke immediately after G.
- B. The order of the first four speakers was M, G, N, D.
- C. O's first mate was present.
- D. A was the fourth speaker after M.
- E. The captains spoke in the order M, N, O, L.

Ans: D

3. Among the following statements which statement must be true?

- A. In case the second speaker was a captain, the seventh speaker was a first mate.
- B. In case the second speaker was a first mate, the seventh speaker was a captain.
- C. In case the third speaker was a first mate, the seventh speaker was a captain.
- D. In case the third speaker was a captain, the seventh speaker was a first mate.
- E. In case the seventh speaker was a first mate, the first and third speakers were captains.

Ans: A

4. In case a spoke immediately after L and immediately before O, and O was not the last speaker, L spoke

- A. second
- B. third
- C. fourth
- D. fifth
- E. sixth

Ans: C

5. In case G is M's first mate, D could be the person who spoke immediately

- A. prior to T
- B. prior to L
- C. prior to V
- D. after T
- E. after V

Ans: D

6. Two series are 16, 21, 26.... And 17, 21, 25....What is the sum of first hundred common numbers

- (a) 101100
- (b) 110100
- (c) 101110
- (d) 110101

Ans. (a)

7. There are two sections in a question paper each contain five questions. A student has to answer 6 questions. Maximum no. of questions that can be answered from any section is 4. How many ways he can attempt the paper?

- (a) 50
- (b) 100
- (c) 120
- (d) 200

Ans. (d)

8. a and b are two numbers selected randomly from 1,2,3.... 25 what is the probability of a and b are not equal.

- (a) 1/25
- (b) 24/25
- (c) 13/25
- (d) 2/25

Ans. (b)

9. The sum of the series  $1 + 1(1+1/n) + 3(1+1/n)^2 + \dots$  is equal to?

Ans.  $n^2$

Q15. Two circles of different radii intersects each other what is the maximum no of intersections

- (a) 0
- (b) 1
- (c) 2
- (d) 3

Ans. (c)

10. How long will a train 100m long traveling at 72kmph take to overtake another train 200m long traveling at 54kmph

- (a) 70sec
- (b) 1min
- (c) 1 min 15 sec
- (d) 55 sec

Ans. (b)

11. What is the product of the irrational roots of the equation  $(2x - 1)(2x - 3)(2x - 5)(2x - 7) = 9$ ?

- (a)  $\frac{3}{2}$
- (b) 4
- (c) 3
- (d)  $\frac{3}{4}$

Ans. (a)

12. Worker W produces n units in 5 hours. Workers V and W, workers independently but at the same time, produce n units in 2 hours. How long would it take V alone to produce n units?

- a) 1 hr 26 min
- b) 1 hr 53 min
- c) 2 hr 30 min
- d) 3 hr 30 min
- e) 3 hr 20 min

Ans: e

13. 49. The sum of 7 consecutive odd numbers in terms with 27 as fourth number

Ans: 189

14. It takes 30 days to fill a laboratory dish with bacteria. If the size of the bacteria doubles each day, how long did it take for the bacteria to fill one half of dish?

Ans) D

15. If the area of a square increases by 69%, then the side of the square increased by

Ans: (B) 30%

Section3: Technical, 20 questions

Predict the output or error(s) for the following:

```
1. main()
   {
   static int var = 5;
   printf("%d ",var--);
   if(var)
       main();
   }
```

Ans: 5 4 3 2 1

```

2. main()
{
    int c[ ]={2.8,3.4,4,6.7,5};
    int j,*p=c,*q=c;
    for(j=0;j<5;j++) {
        printf(" %d ",*c);
        ++q;
    }
    for(j=0;j<5;j++){
        printf(" %d ",*p);
        ++p;
    }
}

```

Ans: 2 2 2 2 2 2 3 4 6

3) Which method for the Data Table utility object will allow you to retrieve information from the Data Table during a test run?

- a. Value
- b. Import
- c. Get Cell
- d. Get Value

Ans: a

4) Statement to return the value from the function

- a. Return (return value)
- b. Exit (Return value)
- c. Function name = Return value
- d. None

Ans: c

5) Constant "2" with the reporter statement returns

- a. Pass
- b. Fail
- c. Done
- d. Warning

Ans: c

6) The standard timing delay for windows application is

- a. 20 seconds
- b. 60 seconds
- c. Infinite
- d. 100 seconds

Ans: b

7) A database management system (DBMS) is a.

(A) Hardware system used to create, maintain and provide controlled access to a database

(B) Hardware system used to create, maintain, and provide uncontrolled access to a database.

(C) Software system used to create, maintain, and provide uncontrolled access to a database.

(D) Software system used to create, maintain, and provide controlled access to a database.

(E) None of these

Ans: (D)

8) In VB Script functions, which one is false among the following?

- a. Variables must be declared before use
- b. Variables may not be declared before use
- c. Variables may be declared without data types
- d. None

Ans: a

9. Database used in IBM mainframes\_\_\_\_\_

Ans: db2

10. Testing used to test internal logic\_\_\_\_\_

Ans: white box

11. Extension files not executable

- a. exe
- b. com
- c. bat
- d. obj

Ans: d

12. Which variable can be accessed by all the functions of a program.

Ans: global

13. Binary search order is \_\_\_\_\_ -

Ans:  $n \log n(\text{base } 2)$

14. Which of the following is a non linear data structure?

- a. stack
- b. queue
- c. linked list
- d. tree

Ans: (d)

15. Which blocks an access to the server or a computer from an outside computer?

Ans: Firewall

16. Which of the following is not a .net compatible?

- a. vb.net
- b. asp.net
- c. c#
- d. cobol.net

Ans: d

17. i.e(internet explorer) default supports which script?

- a. java script
- b. javascript
- c. xml
- d. None

Ans: java script

18. Most popular format for displaying electronic documents on the Internet

a)HTTP b)HTML c)PDF

Ans a

19. Which of the following involves context switch,

(a) system call (b) privileged instruction (c) floating point exception  
(d) all the above (e) none of the above

Ans: a

20. In OST, terminal emulation is done in

(a) sessions layer (b) application layer (c) presentation layer (d) transport layer

Ans: b

<b>Test Date</b> : 6 January 2010
<b>Test Location</b> : sathyabama university,chennai

### 1)APTITUDE TEST:

**Questions = 50 ; time limit = 50 minutes. no negative marking. Offline (paper & pen) test**

**There was individual cut off for all the sections**

#### Section1- English, 15 questions

**Direction 1-5 : In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'**

1. Neither the plans / suits him and therefore / he decided not to / go out yesterday / No error

Ans: B

2. The Cabinet Ministers and the Prime Minister / was at the airport / to receive the foreign dignitary / No error

Ans : B

3. While proceeding on leave / he had orally committed that / he will resume after two days/ No error

Ans : C

4. The number of people / applying were so large / that the college had to / stop issuing application forms / No error



Ans: B

5. a series of lectures / of Indian philosophy / are arranged by the University / No error

Ans: C

**Directions 6-10: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.**

6. Illiterate : Uneducated

A) Country : State   B) City : Village   C) Palace : Hut   D) Vision : Sight

Ans ; D

7. Money : Transaction

A) Life : Death   B) Water : Drink   C) Ideas : Exchange   D) Language : Conversation

Ans: D

8. Overlook : Aberration

A) Mitigate : Penitence   B) Condone : Offence   C) Error : Omission   D) Conviction : Criminal

Ans: B

9. Utopia : English

A) Odyssey : Greek   B) Tulsidas : Sanskrit   C) Monalisa : English   D) Dante : Latin

Ans: A

10. Sailor : Pirate

A) Police : Robbers   B) Lion : Lamb   C) Plant : Fungus   D) Major : Sepoy

Ans : C

**Directions 11-12 : In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.**

11. I know him.

A) He is known by me

B) He was known to me

C) He has been known by me

D) He is known to me

Ans : D

12. The residents celebrated the Independence Day

A) The Independence Day celebrated by the residents

B) The Independence Day was celebrated by the residents

C) The Independence Day has been celebrated by the residents

D) Celebration of Independence Day was done by the residents

Ans: B

**Directions 13-15 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete**

13. Even if rains all day I will not be able to .....my journey

A) put by B) put out C) put off D) put away

Ans: C

14. Help yourself.....whatever you can use without wasting

A) with B) to C) in D) for

Ans: B

15. There is an exception.....every rule.

A) on B) to C) in D) for

Ans: B

### **Section2-apptitude 15 questions**

**The questions 1-7 are based on the following pattern. The problems below contain a question and two statements giving certain data. You have to decide whether the data given in the statements are sufficient for answering the questions. The correct answer is**

(A) If statement (I) alone is sufficient but statement (II) alone is not sufficient.

(B) If statement (II) alone is sufficient but statement(I) alone is not sufficient.

(C) If both statements together are sufficient but neither of statements alone is sufficient.

(D) If both together are not sufficient.

(E) If statements (I) and (II) are not sufficient

1. What is the volume of a cubical box in cubic centimetres?

(I) One face of the box has an area of 49 sq.cms.

(II) The longest diagonal of the box is 20 cms.

**Ans. D**

2. Is z positive?

(I)  $y+z$  is positive

(II)  $y-z$  is positive

**Ans. E**

3. Is  $x > y$ ?  $x, y$  are real numbers?

(I)  $8x = 6y$

(II)  $x = y + 4$

**Ans. B**

4. If a ground is rectangular, what is its width?

(I) The ratio of its length to its breadth is 7:2

(II) Perimeter of the playground is 396 mts.

**Ans. C**

5. If the present age of my father is 39 yrs and my present age is  $x$  yrs, what is  $x$ ?

(I) Next year my mother will be four times as old as i would be.

(II) My brother is 2 years older than I and my father is 4 years older than my mother.

**Ans. C**

6. How many brothers and sisters are there in the family of seven children?

(I) Each boy in the family has as many sisters as brothers

(II) Each of the girl in the family has twice as many brothers as sisters

**Ans. D**

7.  $x$  is not equal to 0, is  $x + y = 0$ ?

(I)  $x$  is the reciprocal of  $y$

(II)  $x$  is not equal to 1

**Ans. A**

8. Find sum of  $3 + \frac{5}{(1+22)} + \frac{7}{(1 + 22 + 32)} + \dots$

**Ans.  $\frac{3n}{(1 + n)}$**

9. Out of 55 eggs 5 are defective. what is % of defective eggs

**Ans:9/11%**

10.  $\frac{1}{8}$  is divided by 's' , if 's' is increased by 2 times, what is the result.

**Ans: increases two times**

11. For each hour an watch is going slow by 30 seconds. Now time is

8a.m. What will be the actual time at 8p.m.

**Ans: 7:54.**

12. If a person walks at  $\frac{4}{5}$ th of his usual speed he reaches 40min late. If he walks at his usual speed how much time does he travels.

**Ans:160min or 2hr 40min**

13. In a class 80% have passed english,70% passed Hindi 10% did not passed either. If 144 students passed both. What is the total strength of the class.

**Ans: 240.**

14. Find the least number when divided by 7 gives the remainder 6, when divided by 6 gives remainder 5, when divided by 5 gives remainder 4 and so on....

**Ans: 419**

15. If a man stands in front of sun what is the first letter of the direction which is left to him:

**Ans: North(N)**

### **Section3-technical ,20 questions**

1. After execution of CMP, a instruction in Intel 8085 microprocessor

- (a) ZF is set and CY is reset.
- (b) ZF is set CY is unchanged
- (c) ZF is reset, CY is set
- (d) ZF is reset , CY is unchanged .

**Ans. A**

2. Convert the infix to postfix for  $A-(B+C)*(D/E)$

**Ans. ABC+DE/\*-**

3. Picard's method uses \_\_\_\_\_?

**Ans. Successive Differentiation.**

**Predict the output or error(s) for the following:**

```
4. void main()
{
    int const * p=5;
    printf("%d",++(*p));
}
```

**Ans:** Compiler error: Cannot modify a constant value.

```
5. main()
{
    char s[ ]="man";
    int i;
    for(i=0;s[ i ];i++)
        printf("\n%c%c%c%c",s[ i ],*(s+i),*(i+s),i[s]);
}
```

**Ans:** mmmm  
aaaa  
nnnn

6. Identify the recording mode, by which you can record the non-standard object in QTP

- A) Standard recording    B) Analog recording  
C) Low level recording    D) None

**Ans: B**

7. By default, how many no of tables would be there in a script?

- a) One    b) Two    c) Three    d) Four

**Ans: B**

8. The file extension of Shared object repository file is

- A .MTR    B .TSR    C .QRS    D. None

**Ans: B**

9. To invoke the function which does not return any value, we can use

- a. call function name    b. function name

- c. Both A & B    d. None

**Ans: A**

10. How many bits are needed within a machine code instruction to select a single register in a machine with 16 general registers?

- a. 2            b. 3            c. 4            d. 5

**Ans: C**

11. which key in any windows screen is used to invoke file menu

**Ans :alt+f**

12. Object which is used for calling the win32 api functions in QTP, we use

- A. extern    B. description    C. environment    D. None

**Ans: A**

13. What is the result of adding the binary numbers 01000001 and 11111111 on an 8 bit machine?

- A. 11111111    B. 00000000    C. 01111111    D. Overflow

**Ans: D**

14. Which of the following does POP stand for?

- A. Post Office Protocol            B. Peer over peer  
C. Private Office Protocol        D. Post Optical Protocol

**Ans: A**

15. Which of the following stages of compilation produces a syntax tree?

- A. Parsing                            B. Code generation  
C. Lexical analysis                D. Semantic analysis

**Ans: A**

16. Which of the following is not contained in a system description?

- A. Internal data flows            B. Flows leaving and entering the system  
C. Relationship between external entities    D. Internal components or processes

**Ans: C**

17. What is the result of adding the binary numbers 01000011 and 10010000 on an 8 bit machine?

- A. 11010011    B. 11110011    C. 11001011    D. 11010101

**Ans: A**

18. How is the decimal value for 30 represented in binary?

- A. 00001111    B. 00011010    C. 00011110    D. 00011111

**Ans: C**

19. A memory chip has 8 data lines and 9 address lines. How many bytes can be stored on it?

- A. 511    B. 512    C. 500    D. 256

**Ans: B**

20. Which of the following devices requires the highest input data transferrate?

- A. mouse    B. Keyboard    C. Floppy disk    D. CD

**Ans: D**

<b>Test Date</b> : 4 January 2010
<b>Test Location</b> : Panimalar Engg. College, Chennai

**1) APTITUDE TEST:**

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**There was individual cut off for all the sections**

**Section1- English, 15 questions**

**Directions 1-5 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete**

1. While facts are \_\_\_\_\_ and data hard to come by, even scientists occasionally throw side the professional pretense of \_\_\_\_\_ and tear into each other with shameless appeals to authority and arguments that shameless appeals to authority and arguments that are unabashedly ad hominid.

- a. elusive...objectivity
- b. establish...courtesy
- c. demonstrate .. neutrality
- d. ineluctable...cooperation

**ANS: (A)**

2. While the disease is in \_\_\_\_\_ state it is almost impossible to determine its existence by \_\_\_\_\_ .

- a. a dormant ..postulate
- b. a critical...examination
- c. an acute ...analysis
- d. a latent...observation

**ANS: (d)**

3. The storehouse was infested.....rats.

- A) by    B) of    C) with    D) in

Ans: C

4. Please distribute these sweets.....the children

A) in B) between C) amid D) among

Ans: D

5. This custom seems to have originated .....and East European country

A) in B) from C) by D) with

Ans: A

**Directions 6-10: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.**

6. OFFHAND : PREMEDITATION : :

a. upright : integrity b. aboveboard : guile c. cutthroat : competition d. backward : direction

**ANS: (b)**

7. POLTERGEIST : APPARITION::

a. dwarf : stature b. witch : familiar c. ogre : monster d. sorcerer : spell

**ANS: (c)**

8. AVER : AFFIRMATION : :

a. proclaim: objection b. denounce : defiance c. refuse : distress d. demur : protest

**ANS. (d)**

9. Duralumin : Aircraft

A) Brass : Alloy B) Stone : Sculptor C) Iron : Steel D) Bronze : Statue

**Ans: D**

10. Cool : Frigid

A) Livid :Lurid B) Pool : Placid C) Tepid : Torried D) Lack : Abundant

**Ans : C**

**Direction 11-13 : In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'**

11. If I was you / I would have / terminated his services then and there / No error

A B C D

**Ans : A**

12. as soon as I will reach Bombay / I will send / you the books / you have asked for / No error

A B C D E

**Ans: A**

13. Our conception of / what should a science of mental life be / has changed considerably since James' time / No error



D                      A    B    C

**Ans : B**

**Directions 14-15 :** In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.

14. Do you imitate others ?

- A) Are others imitated by you ?
- B) Are others being imitated by you ?
- C) Were others being imitated by you ?
- D) Have others been imitated by you ?

**Ans : A**

15. I saw him conducting the rehearsal.

- A) He was seen conducting the rehearsal
- B) I saw the rehearsal to be conducted by him
- C) He was seen by me to conduct the rehearsal
- D) I saw the rehearsal being conducted by him

**Ans : D**

## Section2-aptitude 15 questions

**The questions 1-2 are based on the following data**

6 people A,B,C,D,E and F sit around a table for dinner. Since A does not like C, he doesn't sit either opposite or beside C. B and F always like to sit opposite each other.

1. If A is beside F then who is are the two neighbours of B?

- (a) D and C
- (b) E and C
- (c) D and E
- (d) Either (a) or (b)

**Ans. (c)**

2. If D is adjacent to F then who is adjacent to C?

- (a) E and B
- (b) D and A
- (c) D and B
- (d) either (a) or (c)

**Ans.(d)**

3. Complete the sequence **A, E, I, M, Q, U, \_ , \_**

- (a) B, F
- (b) Y, C
- (c) G, I
- (d) K, O

**Ans.(b)**

4. If the letters of the word "rachit" are arranged in all possible ways and these words are written out as in a dictionary,  
what is the rank of the word "rachit".

- (a) 485
- (b) 480
- (c) 478
- (d) 481

**Ans. (d)**

5. Ravi's salary was reduced by 25%.Percentage increase to be effected to bring the salary to the original level is

- (a) 20%
- (b) 25%
- (c)  $33 \frac{1}{3}\%$
- (d) 30%

**Ans. (c)**

6. A and B can finish a piece of work in 20 days .B and C in 30 days and C and A in 40 days. In how many days will A alone finish the job

- (a) 48
- (b)  $34 \frac{2}{7}$
- (c) 44
- (d) 45

**Ans. (a)**

7. How long will a train 100m long travelling at 72kmph take to overtake another train 200m long travelling at 54kmph ?

- (a) 70sec
- (b) 1min
- (c) 1 min 15 sec
- (d) 55 sec

**Ans. (b)**

8. What is the product of the irrational roots of the equation  $(2x-1)(2x-3)(2x-5)(2x-7)=9$ ?

- (a)  $\frac{3}{2}$
- (b) 4
- (c) 3
- (d)  $\frac{3}{4}$

**Ans. (a)**

9. The total population of a village is 5000. The number of males and females increases by 10% and 15% respectively  
and consequently the population of the village becomes 5600. what was the number of males in the village ?

- A) 2000 B) 2500 C) 3000 D) 4000

**Ans : C**

10. Fresh fruit contains 68% water and dry fruit contains 20% water. How much dry fruit can be obtained from 100 kg of fresh fruits ?

- A) 32 kg B) 40 kg C) 52 kg D) 80 kg

**Ans : B**

11. If "segment" is coded as rffndou, then "ritual" is coded as

- (a) shutbm  
(b) qjutbk  
(c) qhutbk  
(d) qhubtk

**Ans. (c)**

12. If "football" is "cricket", "cricket" is "basketball", "basketball" is "volleyball", "volleyball" is "khokho" and "khokho" is cricket, which is not a ball game?

- (a) cricket  
(b) football  
(c) khokho  
(d) basketball

**Ans. (a)**

13. Which of the following is a recursive set of production

- (a)  $S \rightarrow a|A, A \rightarrow S$   
(b)  $S \rightarrow a|A, A \rightarrow b$   
(c)  $S \rightarrow aA, A \rightarrow S$   
(d) None of these

**Ans. (c)**

14. A sum 's' is divided into 4 parts. second person gets Rs 10 more than first. 3rd person is Rs 10 more than second, 4th is 10 more than 3rd. how much amount do 1st person get.

**Ans:  $(s-60)/4$**

15. One ship goes along the stream direction 28 km and in opposite direction 13 km in 5 hrs for each direction. What is the velocity of stream?

**Ans: 1.5 kmph**

### Section3-technical ,20 questions

1. What sorting algos have their best and worst case times equal ?

**Ans.  $O(n \log n)$  for mergesort and heap sort**

2. What page replacement algorithm has minimum number of page faults ?

**Ans. Optimality algorithm**

3. What is the use of virtual base class in c++

**Ans. Multiple lines between derived classes.**

4. Assignment operator targets to \_\_\_\_\_

**Ans. l-value**

5. A byte addressable computer has memory capacity of  $2^m$  Kbytes and can perform  $2^n$  operations an instruction involving three operands and one operator needs maximum of \_\_\_\_\_ bits

**Ans.  $3m + n$**

6. In round robin scheduling, if time quantum is too large then it degenerates to

**Ans. FCFS**

7. What data structures you should use for dictionary searching and it should be capable of doing spell check also ?

**Ans: Hashing**

8. What is the value of  $121_{\text{base } 4} + 84_{\text{base } 16}$  ?

**Ans : 2130**

9. When the fn. is called where the return address is stored?

**Ans. stack**

10. C program code

```
int zap (int n)
{
    if (n<=1)then zap=1;
    else zap=zap(n-3)+zap(n-1);
}
```

then the call zap(6) gives the values of zap

[a] 8 [b] 9 [c] 6 [d] 12 [e] 15

**Ans: b**

11. Virtual memory size depends on

[a] address lines [b] data bus  
[c] disc space [d] a & c [e] none

**Ans : a**

12. Critical section is

**Ans: statements which are accessing shared resources**



**Ans: b**

20. A sorting algorithm which can prove to be a best time algorithm in one case and a worst time algorithm in worst case is

- (a) Quick Sort      (b) Heap Sort      (c) Merge Sort      (d) Insert Sort

**Ans. (a)**

<b>Test Date</b> : 10 February 2010
<b>Test Location</b> : BPS College of Engg, Kerala

**Aptitude test:**

Questions = 50; time limit = 50 minutes. No negative marking. Offline (paper & pen) test. There was individual cut off for all the sections

**Section 1:** English, 15 questions

**Direction 1-5:** In each of the following questions, find out which part of the sentence has an error. If there is no mistake the answer is 'no error'

1. Twice twelve / makes / twenty four / No error

- A                      B                      C                      D

Ans: B

2. The flight purser took control / of the plane after / the pilot had had / a heart attack / No error

- E                      A                                      B                                      C                                      D

Ans: C

3. My friend did not see me / for many years / when I met him last week / No error

- A                                      B                                      C                                      D

Ans: A

4. We grieve our loss and cry helplessly / while we should be fighting for our rights / and die a noble death / No error

- C                                      A    B                                      D

Ans: B

5. Work hard / lest you will / fail / No error

- A                      B                      C                      D

Ans: D

**Directions 6-10:** The following questions consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.

6. Kangaroo: Australia

A) Whale: River    B) Elephant: Russia    C) Penguin: Antarctica    D) India: Peacock

Ans: C

7. Coronation: Reign

A) Vaccination: Immunity    B) Sculptor: Statue    C) Degree: Graduate    D) Summer: Rain

Ans: D

8. Grain: Salt

A) Chip: Glass    B) Blades: Grass    C) Shred: Wood    D) Shard: Pottery

Ans: A

9. Scythe; Reaping

A) Light: Shining    B) Shears: Cutting    C) Saws: Gluing    D) Screws: Turning

Ans: B

10. Dislike: Repulsion

A) Dream: Sleep    B) Steal: Crime    C) Reputation: Behavior    D) Intelligence: Wit

Ans: D

**Directions 11-12:** In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.

11. His pocket has been picked.

- A) They have his pocket picked
- B) Picking has been done to his pocket
- C) Picked has been his pocket
- D) Someone has picked his pocket.

Ans: D

12. Someone gave her a bull dog.

- A) She was given a bull dog.
- B) a bull dog was given to her
- C) She has been given a bull dog
- D) She is being given a bull dog by someone

Ans: B

**Directions 13-15:** Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete

13. He succeeded in getting possession.....his land after a long court case

- A) For B) to C) of D) with E) against

Ans: C

14. Now a day Rajani is .....busy to take care of her health.

- A) Very B) too C) so D) extremely

Ans: B

15. Had the police not reached there in time the bandits him

- A) Did have killed B) will have killed C) would kill D) would have killed

Ans: D

**Section 2:** Aptitude 15 questions

The questions 1-5 are based on the following data six knights - P, Q, R, S, T and U - assemble for a long journey in two traveling parties. For security, each traveling party consists of at least two knights. The two parties travel by separate routes, northern and southern. After one month, the routes of the northern and southern groups converge for a brief time and at that point the knights can, if they wish, rearrange their traveling.

Parties before continuing, again in two parties along separate northern and southern routes. Throughout the entire trip, the composition of traveling parties must be in accord with the following conditions P and R are deadly enemies and, although they may meet briefly, can never travel together.

P must travel in the same party with S

Q can't travel by the southern route

U can't change routes

1. If one of the two parties of knights consists of P and U and two other knights and travels by the southern route, the other members of this party besides P and U must be



- a) Q and S
- b) Q and T
- c) R and S
- d) R and T
- e) S and T

Ans: e

2) If each of the two parties of knights consists of exactly three members, which of the following is not a possible traveling party and route?

- a) P,S,U by the northern route
- b) P,S,T by the northern route
- c) P,S,T by the southern route
- d) P,S,U by the southern route
- e) Q,R,T by the southern route

Ans: a

3) If one of the two parties of knights consists of U and two other knights and travels by the northern route, the other members of this party >besides U must be

- a) P and S
- b) P and T
- c) Q and R
- d) Q and T
- e) R and T

Ans: c

4) If each of the two parties of knights consists of exactly three members of different parties, and R travels by the Northern route, then T must travel by the

- a) southern route with P and S
- b) southern route with Q and R
- c) southern route with R and U
- d) northern route with Q and R
- e) northern route with R and U

Ans: a

5) If, when the two parties of knights encounter one another after a month, exactly one knight changes from one traveling party to the other traveling party, that knight must be

- a) P      b) Q      c) R      d) S      e) T

Ans: e

6. X varies inversely as square of y. Given that  $y = 2$  for  $x = 1$ . The value of x for  $y = 6$  will be equal to

- A) 3    B) 9    C) 1/3    D) 1/9

Ans: D

7. If 10% of  $x = 20\%$  of  $y$ , then  $x : y$  is equal to

- A) 1: 2    B) 2: 1    C) 5: 1    D) 10: 1

Ans: B

8. A starts business with Rs.3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the Capital?

- A) Rs. 7500    B) Rs. 8000    C) Rs. 8500    D) Rs. 9000

Ans: D

9. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?

- A) 7 hours 30 minutes    B) 8 hours    C) 8 hours 15 minutes    D) 8 hours 25 minutes

Ans: C

10. A and B can do a piece of work in 72 days; B and C can do it in 120 days; A and C can do it in 4 days. Who among these will take the least time if put to do it alone?

- A) 80 days    B) 100 days    C) 120 days    D) 150 days

Ans: C

11. A cistern can be filled by a tap in 4 hours while it can be emptied by another tap in 9 hours. If both taps are opened simultaneously, then after how much time will the cistern get filled?

- A) 4.5 hours    B) 5 hours    C) 6.5 hours    D) 7.2 hours

Ans: D

12. Pipe A can fill a tank in 5 hours, pipe B in 10 hours and pipe C in 30 hours. If all the pipes are open, in how many hours will the tank completely?

- A) 6 min. to empty    B) 6 min to fill    C) 9 min. to empty    D) 9 min. to fill

Ans: C

13. A thief steals a car at 2.30 p.m and drives it at 60 kmph. The theft is discovered at 3 p.m and the owner sets off in another car at 75 kmph. When will he overtake the thief.

- A) 4.30 p.m    B) 4.45 p.m    C) 5 p.m    D) 5.15 p.m

Ans: E

14. Two trains starting at the same time from two stations 200 km apart, and going in opposite directions cross each other at a distance of 110 km from one of the stations. What is the ratio of their speeds?

- A) 9: 20   B) 11: 9   C) 11: 20   D) None of these

Ans: B

15. Two trains each 100 m long, moving in opposite directions, cross each other in 8 seconds. If one is moving twice as fast the other, then the speed of the faster train is

- A) 30 km /hr   B) 45 km / hr   C) 60 km/hr   D) 75 km/hr

Ans: C

**Section 3:** Technical, 20 questions

Predict the output or error(s) for the following:

```
1. main()
{
    char string[]="Hello World";
    display (string);
}
void display (char *string)
{
    printf("%s",string);
}
```

Ans: Compiler Error: Type mismatch in redeclaration of function display

2. What are the values printed by the following program?

```
#define dprint(expr) printf( #expr "=%d\n",expr)

main()
{
int x=7;
int y=3;
dprintf(x/y);
}
```

- a) #2 = 2      b) expr=2      c) x/y=2      d) none

Ans: c

3) Parameterization generally involves

- a. Data table
- b. Random number
- c. Environment
- d. Both A & B
- e. Both A, B & C

Ans: e

4) The file which is used for recovering from the run time errors known as  
A. QRS B. TSR C. PNG D. DAT

Ans: A

5) Among the following recording modes, which method uses both the objects and mouse coordinates

a. Normal b. Low level c. Analog d. All of the above

Ans: b

6) Where do you set the action iterations for a specified action?

a. Action Settings  
b. Action Properties  
c. Action Run Properties  
d. Action Call Properties

Ans: d

6) Where do you mark an action as reusable?

a. Action Settings  
b. Action Properties  
c. Action Run Properties  
d. Action Call Properties

Ans: b

7) After running a test that contains both input and output parameters, where can the results of an output parameter be found?

a. Local Data Sheet  
b. Global Data Sheet  
c. Run-time Data Table  
d. Design-time Data Table

Ans: c

8) If you have a Virtual Object Collection stored on your machine, and you don't want to use it what you must do?

a. Disable Virtual Objects in Test Settings  
b. Remove the Collection from your machine  
c. Disable Virtual Objects in General Options  
d. Remove the Collections from the Resources list

Ans: c

9. For a 25MHz processor, what is the time taken by the instruction which needs 3 clock cycles,

(a) 120 nano secs (b) 120 micro secs

(c) 75 nano secs (d) 75 micro secs

Ans: a

10. For 1 MB memory, the number of address lines required,

(a) 11 (b) 16 (c) 20 (d) 24

Ans. (c)

11. Semaphore is used for

(a) synchronization (b) dead-lock avoidance (c) box (d) none

Ans. (a)

12. OLE is used in

a) Inter connection in UNIX

b) Interconnection in WINDOWS

c) Interconnection in WINDOWS NT

d)None

Ans: c

13. Preprocessor does not do which one of the following

(a) macro (b) conditional compilation

(c) in type checking (d) including load file

Ans. (c)

14. Piggy backing is a technique for

a) Flow control b) Sequence c) Acknowledgement d) retransmission

Ans. (c)

15. In signed magnitude notation what is the minimum value that can be represented with 8 bits

(a) -128 (b) -255 (c) -127 (d) 0

Ans: a

17. When an array is passed as parameter to a function, which of the following statement is correct

a) The function can change values in the original array

b) In C parameters are passed by value. The function cannot change the original value in the array

c) It results in compilation error when the function tries to access the elements in the array

d) Results in a run time error when the function tries to access the elements in the array

Ans: a

18. The type of the controlling statement of a switch statement cannot be of the type

a) int b) char c) short d) float e) none

Ans: d

19. What is the value of the statement  $(3^6) + (a^a)$ ?

a) 3 b) 5 c) 6 d)  $a+18$  e) None

Ans: b

20. Consider the following program:

```
# include
class x {
public:
int a;
x();
};
x::x() { a=10; cout<
class b:public x {
public:
b();
};
b::b() { a=20; cout<
main ()
{ b temp;
}
```

21. What will be the output of this program?

- a) 10      b) 20      c) 2010      d) 1020

Ans: b

Test Date : 27 March 2010

Test Location : Bangalore

### 1) APTITUDE TEST:

**Questions = 50 ; time limit = 50 minutes. no negative marking. Offline (paper & pen) test**

**There was individual cut off for all the sections**

#### Section1- English, 15 questions

**Directions 1-5 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete**

1. While facts are \_\_\_\_\_ and data hard to come by, even scientists occasionally throw side the professional pretense of

\_\_\_\_\_ and tear into each other with shameless appeals to authority and arguments that shameless appeals to authority and arguments that are unabashedly ad hominid.

- a. elusive...objectivity
- b. establish...courtesy
- c. demonstrate .. neutrality
- d. ineluctable...cooperation

**ANS: (A)**

2. While the disease is in \_\_\_\_\_ state it is almost impossible to determine its existence by\_\_\_\_\_ .

- a. a dormant ..postulate
- b. a critical...examination
- c. an acute ...analysis
- d. a latent...observation

**ANS: (d)**

3. The storehouse was infested.....rats.

- A) by B) of C) with D) in

Ans: C

4. Please distribute these sweets.....the children

- A) in B) between C) amid D) among

Ans: D

5. This custom seems to have originated .....and East European country

- A) in B) from C) by D) with

Ans: A

**Directions 6-10: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.**

6. OFFHAND : PREMEDITATION ::

- a. upright : integrity      b. aboveboard : guile      c. cutthroat : competition      d. backward : direction

**ANS: (b)**

7. POLTERGEIST : APPARITION::

- a. dwarf : stature      b. witch : familiar      c. ogre : monster      d. sorcerer : spell

**ANS: (c)**

8.AVER : AFFIRMATION ::

- a. proclaim: objection      b. denounce : defiance      c. refuse : distress      d. demur : protest

**ANS. (d)**

9. Duralumin : Aircraft

- A) Brass : Alloy    B) Stone : Sculptor    C) Iron : Steel    D) Bronze : Statue

**Ans: D**

10. Cool : Frigid

- A) Livid :Lurid    B) Pool : Placid    C) Tepid : Torried    D) Lack : Abundant

**Ans : C**

**Direction 11-13 : In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'**

11. If I was you / I would have / terminated his services then and there / No error

- A                                  B                                  C                                  D

**Ans : A**

12. as soon as I will reach Bombay / I will send / you the books / you have asked for / No error

A B C D E

**Ans: A**

13. Our conception of / what should a science of mental life be / has changed considerably since James' time / No error

A B C D

**Ans : B**

**Directions 14-15 : In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.**

14. Do you imitate others ?

- A) Are others imitated by you ?
- B) Are others being imitated by you ?
- C) Were others being imitated by you ?
- D) Have others been imitated by you ?

**Ans : A**

15. I saw him conducting the rehearsal.

- A) He was seen conducting the rehearsal
- B) I saw the rehearsal to be conducted by him
- C) He was seen by me to conduct the rehearsal
- D) I saw the rehearsal being conducted by him

**Ans : D**

## Section2-apptitude 15 questions

**The questions 1-2 are based on the following data**

6 people A,B,C,D,E and F sit around a table for dinner. Since A does not like C, he doesn't sit either opposite or beside C.B and F always like to sit opposite each other.

1. If A is beside F then who is are the two neighbours of B?

- (a) D and C
- (b) E and C
- (c) D and E
- (d) Either (a) or (b)



**Ans. (c)**

2. If D is adjacent to F then who is adjacent to C?

- (a) E and B
- (b) D and A
- (c) D and B
- (d) either (a) or (c)

**Ans.(d)**

3. Complete the sequence **A, E, I, M, Q, U, \_ , \_**

- (a) B, F
- (b) Y, C
- (c) G, I
- (d) K, O

**Ans.(b)**

4. If the letters of the word "rachit" are arranged in all possible ways and these words are written out as in a dictionary,  
what is the rank of the word "rachit".

- (a) 485
- (b) 480
- (c) 478
- (d) 481

**Ans. (d)**

5. Ravi's salary was reduced by 25%.Percentage increase to be effected to bring the salary to the original level is

- (a) 20%
- (b) 25%
- (c) 33 1/3%
- (d) 30%

**Ans. (c)**

6. A and B can finish a piece of work in 20 days .B and C in 30 days and C and A in 40 days. In how many days  
will A alone finish the job

- (a) 48
- (b) 34 2/7
- (c) 44
- (d) 45

**Ans. (a)**

7. How long will a train 100m long travelling at 72kmph take to overtake another train 200m long travelling at 54kmph ?

- (a) 70sec
- (b) 1min
- (c) 1 min 15 sec
- (d) 55 sec

**Ans. (b)**

8. What is the product of the irrational roots of the equation  $(2x-1)(2x-3)(2x-5)(2x-7)=9$ ?

- (a)  $\frac{3}{2}$
- (b) 4
- (c) 3
- (d)  $\frac{3}{4}$

**Ans. (a)**

9. The total population of a village is 5000. The number of males and females increases by 10% and 15% respectively and consequently the population of the village becomes 5600. what was the number of males in the village ?

- A) 2000   B) 2500   C) 3000   D) 4000

**Ans : C**

10. Fresh fruit contains 68% water and dry fruit contains 20% water. How much dry fruit can be obtained from 100 kg of fresh fruits ?

- A) 32 kg   B) 40 kg   C) 52 kg   D) 80 kg

**Ans : B**

11. If "segment" is coded as rffndou, then "ritual" is coded as

- (a) shutbm
- (b) qjutbk
- (c) qhutbk
- (d) qhubtk

**Ans. (c)**

12. If "football" is "cricket", "cricket" is "basketball", "basketball" is "volleyball", "volleyball" is "khokho" and "khokho" is cricket, which is not a ball game?

- (a) cricket
- (b) football
- (c) khokho
- (d) basketball

**Ans. (a)**

13. Which of the following is a recursive set of production

- (a)  $S \rightarrow a|A, A \rightarrow S$
- (b)  $S \rightarrow a|A, A \rightarrow b$
- (c)  $S \rightarrow aA, A \rightarrow S$
- (d) None of these

**Ans. (c)**

14. A sum 's' is divided into 4 parts. second person gets Rs 10 more than first. 3rd person is Rs 10 more than second, 4th is 10 more than 3rd. how much amount do 1st person get.

**Ans:  $(s-60)/4$**

15. One ship goes along the stream direction 28 km and in opposite direction 13 km in 5 hrs for each direction. What is the velocity of stream?

**Ans: 1.5 kmph**

### **Section3-technical ,20 questions**

1. What sorting algos have their best and worst case times equal ?

**Ans.  $O(n \log n)$  for mergesort and heap sort**

2. What page replacement algorithm has minimum number of page faults ?

**Ans. Optimality algorithm**

3. What is the use of virtual base class in c++

**Ans. Multiple lines between derived classes.**

4. Assignment operator targets to \_\_\_\_\_

**Ans. l-value**

5. A byte addressable computer has memory capacity of  $2^m$  Kbytes and can perform  $2^n$  operations an instruction involving three operands and one operator needs maximum of \_\_\_\_\_ bits

**Ans.  $3m + n$**

6. In round robin scheduling, if time quantum is too large then it degenerates to

**Ans. FCFS**

7. What data structures you should use for dictionary searching and it should be capable of doing spell check also ?

**Ans: Hashing**

8. What is the value of  $121_{base 4} + 84_{base 16}$  ?

**Ans : 2130**

9. When the fn. is called where the return address is stored?

**Ans. stack**

10. C program code

```
int zap (int n)
{
    if (n<=1)then zap=1;
    else zap=zap(n-3)+zap(n-1);
}
```

then the call zap(6) gives the values of zap

[a] 8 [b] 9 [c] 6 [d] 12 [e] 15

**Ans: b**

11. Virtual memory size depends on

- [a] address lines [b] data bus  
[c] disc space [d] a & c [e] none

**Ans : a**

12. Critical section is

**Ans: statements which are accessing shared resources**

13. In which layer ROUTING is performed ?

**Ans. Network Layer**

14. What is the output of the following code snippet

```
main()
{
    printf(5+"Fascimile");
}
```

**Ans. mile**

15. Which one has no L-Value

- A a[i] B. i C. 2 D. \*(a+i)

**Ans . C**

16. Which is true for binary search ?

- A Traversal scheme                      B. Greedy algorithm  
C. Divide and conquer algorithm        D. none of these

**Ans. C**

17. What is the protocol used for getting the physical address by supplying IP address of a node ?

- A. ARP    B. RARP    C. BOOTP    D. DHCP

**Ans. A**

18. Which is not an OS?

- a) Win 3.1    b) Win 95  
c) Win 98    d) Win 2000

**Ans. a**

19. Tcp/ip is

- a) connectionless    b) connection oriented    c) both a & b    d) none

**Ans: b**

20. A sorting algorithm which can prove to be a best time algorithm in one case and a worst time algorithm in worst case is

- (a) Quick Sort    (b) Heap Sort    (c) Merge Sort    (d) Insert Sort

**Ans. (a)**

**Test Date** : 27 April 2010

### 1)APTITUDE TEST:

**Questions = 50 ; time limit = 50 minutes. no negative marking. Offline (paper & pen) test**

**There was individual cut off for all the sections**

#### Section1- English, 15 questions

**Direction 1-5 : In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'**

1. Twice twelve / makes / twenty four / No error

- A            B            C            D

**Ans: B**

2. The flight purser took control / of the plane after / the pilot had had / a heart attack / No error

A B C D E

**Ans: C**

3. My friend did not see me / for many years / when I met him last week / No error

A B C D

**Ans : A**

4. We grieve our loss and cry helplessly / while we should be fighting for our rights / and die a noble death / No error

A B C D

**Ans : B**

5. Work hard / lest you will / fail / No error

A B C D

**Ans : D**

**Directions 6-10: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.**

6. Kangaroo : Australia

A) Whale : River B) Elephant : Russia C) Penguin : Antarctica D) India : Peacock

Ans: C

7. Coronation : Reign

A) Vaccination : Immunity B) Sculptor : Statue C) Degree : Graduate D) Summer : Rain

Ans: D

8. Grain : Salt

A) Chip : Glass B) Blades : Grass C) Shred : Wood D) Shard : Pottery

Ans : A

9. Scythe ; Reaping

A) Light ; Shining B) Shears : Cutting C) Saws : Gluing D) Screws : Turning

Ans : B

10. Dislike : Repulsion

A) Dream : Sleep B) Steal : Crime C) Reputation : Behaviour D) Intelligence : Wit

Ans: D

**Directions 11-12 : In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.**

11. His pocket has been picked.

- A) They have his pocket picked
- B) Picking has been done to his pocket
- C) Picked has been his pocket
- D) Someone has picked his pocket.

**Ans : D**

12. Someone gave her a bull dog.

- A) She was given a bull dog.
- B) a bull dog was given to her
- C) She has been given a bull dog
- D) She is being given a bull dog by someone

**Ans : B**

**Directions 13-15 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete**

13. He succeeded in getting possession.....his land after a long court case

- A) for
- B) to
- C) of
- D) with
- E) against

**Ans: C**

14. Now a days Rajani is .....busy to take care of her health.

- A) very
- B) too
- C) so
- D) extremely

**Ans: B**

15. Had the police not reached there in time the bandits.....him

- A) did have killed
- B) will have killed
- C) would kill
- D) would have killed

**Ans: D**

## **Section2- aptitude 15 questions**

**The questions 1-5 are based on the following data**

Six knights - P, Q, R, S, T and U - assemble for a long journey in two traveling parties. For security, each traveling party consists of at least two knights. The two parties travel by separate routes, northern and southern. After one month, the routes of the northern and southern groups converge for a brief time and at that point the knights can, if they wish, rearrange their traveling parties before continuing, again in two parties along separate northern and southern routes. Throughout the entire

trip, the composition of traveling parties must be in accord with the following conditions  
P and R are deadly enemies and, although they may meet briefly, can never travel together.

P must travel in the same party with S  
Q can't travel by the southern route  
U can't change routes

1. If one of the two parties of knights consists of P and U and two other knights and travels by the southern route, the other members of this party besides P and U must be

- a) Q and S
- b) Q and T
- c) R and S
- d) R and T
- e) S and T

**Ans: e**

2) If each of the two parties of knights consists of exactly three members, which of the following is not a possible traveling party and route?

- a) P,S,U by the northern route
- b) P,S,T by the northern route
- c) P,S,T by the southern route
- d) P,S,U by the southern route
- e) Q,R,T by the southern route

**Ans: a**

3) If one of the two parties of knights consists of U and two other knights and travels by the northern route, the other members of this party besides U must be

- a) P and S
- b) P and T
- c) Q and R
- d) Q and T
- e) R and T

**Ans: c**

4) If each of the two parties of knights consists of exactly three members of different parties, and R travels by the northern route, then T must travel by the

- a) southern route with P and S
- b) southern route with Q and R
- c) southern route with R and U
- d) northern route with Q and R
- e) northern route with R and U

Ans: a

5) If, when the two parties of knights encounter one another after a month, exactly one knight changes from one travelling party to the other travelling party, that knight must be

- a) P
- b) Q
- c) R
- d) S
- e) T

**Ans: e**

6. X varies inversely as square of y. Given that  $y = 2$  for  $x = 1$ . The value of x for  $y = 6$  will be equal to

- A) 3
- B) 9
- C)  $1/3$
- D)  $1/9$

**Ans : D**

7. If 10% of x = 20% of y, then x : y is equal to

- A) 1 : 2
- B) 2 : 1
- C) 5 : 1
- D) 10 : 1



**Ans : B**

8. A starts business with Rs.3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the Capital ?

A) Rs. 7500 B) Rs. 8000 C) Rs. 8500 D) Rs. 9000

**Ans : D**

9. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages ?

A) 7 hours 30 minutes B) 8 hours C) 8 hours 15 minutes D) 8 hours 25 minutes

**Ans : C**

10. A and B can do a piece of work in 72 days; B and C can do it in 120 days; A and C can do it in 4 days. Who among these will take the least time if put to do it alone?

A) 80 days B) 100 days C) 120 days D) 150 days

**Ans : C**

11. A cistern can be filled by a tap in 4 hours while it can be emptied by another tap in 9 hours. If both taps are opened simultaneously, then after how much time will the cistern get filled ?

A) 4.5 hours B) 5 hours C) 6.5 hours D) 7.2 hours

**Ans : D**

12. Pipe A can fill a tank in 5 hours, pipe B in 10 hours and pipe C in 30 hours. If all the pipes are open, in how many hours will the tank completely ?

A) 6 min. to empty B) 6 min to fill C) 9 min. to empty D) 9 min. to fill

**Ans : C**

13. A thief steals a car at 2.30 p.m and drives it at 60 kmph. The theft is discovered at 3 p.m and the owner sets off in another car at 75 kmph. When will he overtake the thief.

A) 4.30 p.m B) 4.45 p.m C) 5 p.m D) 5.15 p.m

**Ans : E**

14. Two trains starting at the same time from two stations 200 km apart, and going in opposite directions cross each other at a distance of 110 km from one of the stations. What is the ratio of their speeds

A) 9 : 20 B) 11 : 9 C) 11 : 20 D) None of these

**Ans : B**

15. Two trains each 100 m long, moving in opposite directions, cross each other in 8 seconds. If one is moving twice as fast the other, then the speed of the faster train is

- A) 30 km /hr   B) 45 km / hr   C) 60 km/hr   D) 75 km/hr

**Ans : C**

### Section3-technical , 20 questions

**Predict the output or error(s) for the following:**

```
1. main()
{
    char string[]="Hello World";
    display (string);
}
void display (char *string)
{
    printf("%s", string);
}
```

**Ans: Compiler Error : Type mismatch in redeclaration of function display**

2. What are the values printed by the following program?

```
#define dprint(expr) printf("#expr "=%d\n",expr)

main()
{
    int x=7;
    int y=3;
    dprintf(x/y);
}
```

- a) #2 = 2      b) expr=2      c) x/y=2      d) none

**Ans: c**

2) Parameterization generally involves

- a. Data table
- b. Random number
- c. Environment
- d. Both A & B
- e. Both A, B & C

**Ans: e**

3) The file which is used for recovering from the run time errors known as

- A. QRS
- B. TSR
- C. PNG
- D. DAT

**Ans: A**

4) Among the following recording modes, which method uses both the objects and mouse coordinates

- a. Normal
- b. Low level

- c. Analog
- d. All of the above

**Ans: b**

5) Where do you set the action iterations for a specified action?

- a. Action Settings
- b. Action Properties
- c. Action Run Properties
- d. Action Call Properties

**Ans: d**

6) Where do you mark an action as reusable?

- a. Action Settings
- b. Action Properties
- c. Action Run Properties
- d. Action Call Properties

**Ans: b**

7) After running a test that contains both input and output parameters, where can the results of an output parameter be found?

- a. Local Data Sheet
- b. Global Data Sheet
- c. Run-time Data Table
- d. Design-time Data Table

**Ans: c**

8) If you have a Virtual Object Collection stored on your machine, and you don't want to use it what you must do?

- a. Disable Virtual Objects in Test Settings
- b. Remove the Collection from your machine
- c. Disable Virtual Objects in General Options
- d. Remove the Collections from the Resources list

**Ans: c**

9. For a 25MHz processor , what is the time taken by the instruction which needs 3 clock cycles,

- (a)120 nano secs
- (b)120 micro secs
- (c)75 nano secs
- (d)75 micro secs

**Ans: a**

10. For 1 MB memory, the number of address lines required,

- ( a)11 (b)16 (c)20(d) 24

**Ans. (c)**

11. Semaphore is used for

- (a) synchronization (b) dead-lock avoidance (c) box (d) none

**Ans. (a)**

12. OLE is used in

- a) inter connection in unix

- b) interconnection in WINDOWS
- c) interconnection in WINDOWS NT
- d) None

**Ans. c**

13. Preprocessor does not do which one of the following
- (a) macro
  - (b) conditional compilation
  - (c) in type checking
  - (d) including load file

**Ans. (c)**

14. Piggy backing is a technique for
- a) Flow control
  - b) Sequence
  - c) Acknowledgement
  - d) retransmission

**Ans. (c)**

15. In signed magnitude notation what is the minimum value that can be represented with 8 bits

- (a) -128
- (b) -255
- (c) -127
- (d) 0

**Ans: a**

17. When an array is passed as parameter to a function, which of the following statement is correct

- a) The function can change values in the original array
- b) In C parameters are passed by value. The function cannot change the original value in the array
- c) It results in compilation error when the function tries to access the elements in the array
- d) Results in a run time error when the function tries to access the elements in the array

**Ans: a**

18. The type of the controlling statement of a switch statement cannot be of the type

- a) int
- b) char
- c) short
- d) float
- e) none

**Ans : d**

19. What is the value of the statement  $(3^6) + (a^a)$ ?

- a) 3
- b) 5
- c) 6
- d) a+18
- e) None

**Ans : b**

20. consider the following program:

```
# include
class x {
public:
int a;
x();
};
x::x() { a=10; cout<
class b:public x {
public:
b();
};
b::b() { a=20; cout<
main ()
{ b temp;
}
```

what will be the output of this program?

- a) 10
- b) 20
- c) 2010
- d) 1020

**Ans: b**

<b>Test Date</b> : 20 January 2009
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<b>Test Location</b> : SRM University, NCR Campus
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## 1)APTITUDE TEST:

**Questions = 50 ; time limit = 50 minutes. no negative marking. Offline (paper & pen) test**

**There was individual cut off for all the sections**

**Section1- English, 15 questions**

**Direction 1-5 : In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'**

1. Unless you stop to make noise at once,/ I will have no option but to / bring the matter to the attention of the police / No error

D                      A    B    C

**Ans: A**

2.The Minister along with his / party colleagues have / been invited to the party / No error

A                                      B                                      C                                      D

**Ans: B**

3. A group of friends / want to visit/ the new plant as early as possible / No error

A                                      B                                      C                                      D

**Ans: B**

4. It is rude / for the young / making fun of their elders/ No error

A                      B                                      C                                      D

**Ans : C**

5. Meerabai was sent away from her home/ because she spend most of the time/ in the company of holy men/ No error

A    B    C    D

**Ans : B**

**Directions 6-10 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete.**

6. Madan.....the first prize in this competition

A) bore up   B) bore with   C) bore out   D) bore away

**Ans: A**

7. In large cities people are cut.....from nature.

A) down   B) out   C) off   D) away

**Ans: C**

8. Your friend died.....over work

A) of B) from C) due to D) with

**Ans: A**

9. It is not easy to beat..... a swarm of wasps if they attack you

A) out B) up C) down D) off

**Ans: D**

10. What a sensation it would cause if it.....now discovered that such a man had left behind a diary.

A) is B) be C) was D) were

**Ans: D**

**Directions 11-12: In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.**

11. Mona was writing a letter to her father.

- A) A letter was written to her father by Mona
- B) A letter has been written to her father by Mona
- C) A letter was being written by Mona to her father
- D) a letter was written by Mona to her father

**Ans: C**

12. He teaches us grammar

- A) Grammar is taught to us by him
- B) We are being taught Grammar by him
- C) Grammar is being taught us by him
- D) We are taught Grammar by him

**Ans: D**

**Directions 13-15: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.**

13. Basement : Attic

- A) Nadir : Zenith B) Zenith : Apex C) Zenith : Root D) Apex : Pinnacle

**Ans : A**

14. Sip : Gulp

- A) Touch : Push B) Cup : Glass C) Tent : Hut D) Soap : Water

**Ans : A**

15. Parsing : Grammar

A) Running : Health   B) Praying : God   C) Para trooping : Air force   D) Cleaning : House

Ans : C

## Section 2-aptitude 15 questions

The questions 1-6 are based on the following pattern. The problems below contain a question and two statements giving certain data. You have to decide whether the data given in the statements are sufficient for answering the questions.

The correct answer is:

- (A) If statement (I) alone is sufficient but statement (II) alone is not sufficient.
- (B) If statement (II) alone is sufficient but statement (I) alone is not sufficient.
- (C) If both statements together are sufficient but neither of statements alone is sufficient.
- (D) If both together are not sufficient.

1. What is John's age?

- (I) In 15 years John will be twice as old as Dias would be
- (II) Dias was born 5 years ago

**Ans. (C)**

2. What is the distance from city A to city C in kms?

- (I) City A is 90 kms from City B
- (II) City B is 30 kms from City C

**Ans. (D)**

3. Is  $A=C$ ? A, B, C are real numbers

- (I)  $A-B=B-C$
- (II)  $A-2C = C-2B$

**Ans. (C)**

4. What is the 30th term of a given sequence?

- (I) The first two terms of the sequence are 1,  $1/2$
- (II) The common difference is  $-1/2$

**Ans. (A)**

5. Was Avinash early, on time or late for work?

- (I) He thought his watch was 10 minutes fast
- (II) Actually his watch was 5 minutes slow

**Ans. (D)**

6. What is the value of A if A is an integer?

- (I)  $A^4 = 1$
- (II)  $A^3 + 1 = 0$

**Ans. (B)**

7. A person travels 12 km in the southward direction and then travels 5km to the right and then travels 15km toward the right and finally travels 5km towards the east, how far is he from his starting place?

- (a) 5.5 kms
- (b) 3 km
- (c) 13 km
- (d) 6.4 km

**Ans. (b)**

8. X's father's wife's father's granddaughter uncle will be related to X as

- (a) Son
- (b) Nephew
- (c) Uncle
- (d) Grandfather

**Ans. (c)**

9. Find the next number in the series **1, 3, 7, 13, 21, 31**

- (a) 43
- (b) 33
- (c) 41
- (d) 45

**Ans. (a)**

10. If in a certain code "RANGE" is coded as 12345 and "RANDOM" is coded as 123678. Then the code for the word "MANGO" would be

- (a) 82357
- (b) 89343
- (c) 84629
- (d) 82347

**Ans. (d)**

11. If "PROMPT" is coded as QSPLOS ,then "PLAYER" should be

- (a) QMBZFS
- (b) QWMFDW
- (c) QUREXM
- (d) URESTI

**Ans. (a)**

12. A person travels 6km towards west, then travels 5km towards north ,then finally travels 6km towards west. Where is he with respect to his starting position?

- (a) 13km east
- (b) 13km northeast
- (c) 13km northwest
- (d) 13km west

**Ans. (c)**

13. If A speaks the truth 80% of the times, B speaks the truth 60% of the times. What is the probability that they tell the truth at the same time

- (a) 0.8
- (b) 0.48
- (c) 0.6
- (d) 0.14

**Ans.(b)**



14. Susan can type 10 pages in 5 minutes. Mary can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?

- A. 15
- B. 20
- C. 25
- D. 65
- E. 75

**Ans: E**

15. Six bells commence tolling together and toll at intervals 2,4,6,8,10 and 12 seconds respectively. In 30 minutes how many times they toll together.

- a) 4
- b) 10
- c) 15
- d) 16

**Ans: d)**

### Section3-technical ,20 questions

1. If the time quantum is too large, Round Robin scheduling degenerates to

- (a) Shortest Job First Scheduling
- (b) Multilevel Queue Scheduling
- (c) FCFS
- (d) None of the above

**Ans. (c)**

2. Transponders are used for which of the following purposes

- (a) Uplinking
- (b) Downlinking
- (c) Both (a) and (b)
- (d) None of the above

**Ans. (c)**

3. The format specifier "%d" is used for which purpose in C

- (a) Left justifying a string
- (b) Right justifying a string
- (c) Removing a string from the console
- (d) Used for the scope specification of a char[] variable

**Ans. (a)**

4. A sorting algorithm which can prove to be a best time algorithm in one case and a worst time algorithm in worst case is

- (a) Quick Sort
- (b) Heap Sort
- (c) Merge Sort
- (d) Insert Sort

**Ans. (a)**

5. What details should never be found in the top level of a top-down design?

- (a) Details
- (b) Coding
- (c) Decisions
- (d) None of the above

**Ans. (c)**

6. In an absolute loading scheme, which loader function is accomplished by assembler

- (a) Reallocation
- (b) Allocation
- (c) Linking
- (d) Both (a) and (b)

**Ans. (d)**

7. Banker's algorithm for resource allocation deals with

- (a) Deadlock prevention
- (b) Deadlock avoidance
- (c) Deadlock recovery
- (d) None of these

**Ans. (b)**

8. Thrashing can be avoided if

- (a) The pages, belonging to the working set of the programs, are in main memory
- (b) The speed of CPU is increased
- (c) The speed of I/O processor are increased
- (d) All of the above

**Ans. (a)**

9. Which of the following communications lines is best suited to interactive processing applications?

- (a) Narrowband channels
- (b) Simplex channels
- (c) Full-duplex channels
- (d) Mixed band channels

**Ans. (b)**

10. A feasibility document should contain all of the following except

- (a) Project name
- (b) Problem descriptions
- (c) Feasible alternative
- (d) Data flow diagrams

**Ans. (d)**

11. What is the main function of a data link content monitor?

- (a) To detect problems in protocols
- (b) To determine the type of transmission used in a data link
- (c) To determine the type of switching used in a data link
- (d) To determine the flow of data

**Ans. (a)**

12. Which of the following is a broadband communications channel?

- (a) Coaxial cable
- (b) Fiber optic cable
- (c) Microwave circuits
- (d) All of the above

**Ans. (d)**

13. Which of the following memories has the shortest access time?

- (a) Cache memory
- (b) Magnetic bubble memory
- (c) Magnetic core memory
- (d) RAM

**Ans. (a)**

14. A shift register can be used for

- (a) Parallel to serial conversion
- (b) Serial to parallel conversion
- (c) Digital delay line
- (d) All the above

**Ans. (d)**

15. In which of the following page replacement policies, Balady's anomaly occurs?

- (a) FIFO
- (b) LRU
- (c) LFU
- (d) NRU

**Ans. (a)**

16. Subschema can be used to

- (a) Create very different, personalised views of the same data
- (b) Present information in different formats
- (c) Hide sensitive information by omitting fields from the sub -schema's description
- (d) All of the above

**Ans. (d)**

17. A 12 address lines maps to the memory of

- a. 1k bytes
- b. 0.5k bytes
- c. 2k bytes
- d. none

**Ans: b**

18. In a processor these are 120 instructions . Bits needed to implement this instructions

- [a] 6
- [b] 7
- [c] 10
- [d] none

**Ans: b**

19. In a compiler there is 36 bit for a word and to store a character 8bits are needed. IN this to store a character two

are appended .Then for storing a K characters string, How many words are needed.

- [a]  $2k/9$
- [b]  $(2k+8)/9$
- [c]  $(k+8)/9$
- [d]  $2*(k+8)/9$
- [e] none

**Ans: a**

20. Virtual memory size depends on

[a] address lines [b] data bus

[c] disc space [d] a & c [e] none

**Ans : a**

<b>Test Date</b> : 26 January 2010
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<b>Test Location</b> : Bangalore
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### 1) APTITUDE TEST:

**Questions = 50 ; time limit = 50 minutes. no negative marking. Offline (paper & pen) test**

**There was individual cut off for all the sections**

#### Section1- English, 15 questions

**Direction 1-5 : In each of the following questions, find out which part of the sentence has an error. if there is no mistake the answer is 'no error'**

1. The house with all its / furniture and exotic plants / were sold for Rs. 50,000 / No error

**Ans : C**

2. The teacher asked the students / if everyone of them were interested in / going on an excursion / No error

**Ans : B**

3. a physiologist in the last century demonstrated / that puppies will die / if kept awake for more than five days / No error

**Ans : B**

4. It is unfortunate that / many youngsters get / addicted to gamble / No error

**Ans : C**

5. I have seen / that film last year / but I do not remember its story / No error

**Ans: A**

**Directions 6-10: The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.**

6. Plants : Coal

A) Crops : Manure B) Animals : Oil C) Cow : Milk D) Fire : Smoke

**Ans : B**

7. Rectangle : Cylinder

A) Square : Sphere B) Circle : Disc C) Triangle : Cone D) Wall : Room

**Ans : C**

8. Expend : Replenish

- A) Exhort : Encourage   B) Formant : Rebellion   C) Defect : Rejoin   D) Encroachment : Occupy

**Ans : C**

9. Graphite : Lubricant

- A) Movement : Friction   B) Iron : Steel   C) Wool : Cloth   D) Diamond : Abrasive

**Ans: D**

10. Cube : Cuboid

- A) Oval : Sphere   B) Square : Cube   C) Sphere : Ellipsoid   D) Triangle : Cone

**Ans: C**

**Directions 11-12 : In each of the following questions, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested select the one which best express the same sentence in Passive (or Active) Voice.**

11. They are building a house next door to our school

- A) Next door to our school a house is being built by them  
B) Next door to our school is being built a house by them  
C) a house next door to our school is being built by them  
D) a house is being built by them next door to our school

**Ans : D**

12. Have the box broken.

- A) Have the broken box  
B) Break the box  
C) Get someone to break the box  
D) They have broken the box

**Ans: C**

**Directions 13-15 : Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete**

13. A man who connives .....the faults of his children is their worst enemy

- A) with   B) at   C) of   D) in

**Ans: B**

14. Some people revel.....gossip.

- A) at   B) with   C) by   D) in

**Ans: D**

15. The officer warned me.....t he office until five O'clock.

- A) don't leave   B) to leave   C) to not leave   D) not to leave

**Ans: D**

## Section2- Aptitude 15 questions

**The questions 1-5 are based on the following data**

The only people to attend a conference were four ship captains and the first mates of three of those captains. The captians were L, M, N and O; the first mates were A, D and G. Each person in turn delivered a report to the assembly as follows:

Each of the first mates delivered their report exactly after his o r her captain. The first captain to speak was M, and captain N spoke after him.

1. Among the following which is not an appropriate order of delivered reports?

- A. M, A, N, G, O, L, D
- B. M, D, N, G, L, O, A
- C. M, N, A, L, D, O, G
- D. M, N, A, O, D, L, G
- E. M, N, G, D, O, L, A

**Ans : E**

2. In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be untrue?

- A. O spoke immediately after G.
- B. The order of the first four speakers was M, G, N, D.
- C. O's first mate was present.
- D. A was the fourth speaker after M.
- E. The captains spoke in the order M, N, O, L.

**Ans : D**

3. Among the following statements which statement must be true?

- A. In case the second speaker was a captain, the seventh speaker was a first mate.
- B. In case the second speaker was a first mate, the seventh speaker was a captain.
- C. In case the third speaker was a first mate, the seventh speaker was a captain.
- D. In case the third speaker was a captain, the seventh speaker was a first mate.
- E. In case the seventh speaker was a first mate, the first and third speakers were captains.

**Ans : A**

4. In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke

- A. second
- B. third
- C. fourth
- D. fifth
- E. sixth

**Ans : C**

5. In case G is M's first mate, D could be the person who spoke immediately

- A. prior to T
- B. prior to L
- C. prior to V
- D. after T

E. after V

**Ans : D**

6. Two series are 16, 21, 26, ... and 17, 21, 25, ... What is the sum of first hundred common numbers

- (a) 101100
- (b) 110100
- (c) 101110
- (d) 110101

**Ans. (a)**

7. There are two sections in a question paper each contain five questions. A student has to answer 6 questions. Maximum no. of questions that can be answered from any section is 4. How many ways he can attempt the paper?

- (a) 50
- (b) 100
- (c) 120
- (d) 200

**Ans. (d)**

8. a and b are two numbers selected randomly from 1, 2, 3, ... 25 what is the probability of a and b are not equal.

- (a)  $1/25$
- (b)  $24/25$
- (c)  $13/25$
- (d)  $2/25$

**Ans. (b)**

9. The sum of the series  $1 + 1(1+1/n) + 3(1+1/n)^2 + \dots$  is equal to?

**Ans.  $n^2$**

Q15. Two circles of different radii intersect each other what is the maximum no of intersections

- (a) 0
- (b) 1
- (c) 2
- (d) 3

**Ans. (c)**

10. How long will a train 100m long travelling at 72kmph take to overtake another train 200m long travelling at 54kmph

- (a) 70sec
- (b) 1min
- (c) 1 min 15 sec
- (d) 55 sec

**Ans. (b)**

11. What is the product of the irrational roots of the equation  $(2x - 1)(2x - 3)(2x - 5)(2x - 7) = 9$ ?

- (a)  $3/2$
- (b) 4
- (c) 3
- (d)  $3/4$

**Ans. (a)**

12. Worker W produces n units in 5 hours. Workers V and W, working independently but at the same time, produce n units in

2 hours. how long would it take V alone to produce n units?

- a) 1 hr 26 min
- b) 1 hr 53 min
- c) 2 hr 30 min
- d) 3 hr 30 min
- e) 3 hr 20 min

**Ans: e**

13. The sum of 7 consecutive odd numbers in terms with 27 as fourth number

**Ans: 189**

14. It takes 30 days to fill a laboratory dish with bacteria. If the size of the bacteria doubles each day, how long did it take for the bacteria to fill one half of dish?

**Ans) D**

15. If the area of a square increases by 69%, then the side of the square increased by

**Ans: (B) 30%**

### Section3-technical ,20 questions

**Predict the output or error(s) for the following:**

```
1. main()
   {
   static int var = 5;
   printf("%d ",var--);
   if(var)
       main();
   }
```

**Ans: 5 4 3 2 1**

```
2. main()
   {
   int c[ ]={2.8,3.4,4,6.7,5};
   int j,*p=c,*q=c;
   for(j=0;j<5;j++) {
       printf(" %d ",*c);
       ++q;
   }
   for(j=0;j<5;j++){
       printf(" %d ",*p);
       ++p;
   }
   }
```

**Ans : 2 2 2 2 2 3 4 6**

3) Which method for the Data Table utility object will allow you to retrieve information from the Data Table during a test run?

- a. Value
- b. Import
- c. GetCell
- d. GetValue

**Ans : a**

4) Statement to return the value from the function

- a. Return (return value)
- b. Exit (Return value)
- c. Function name = Return value
- d. None



**Ans : c**

5) constant "2" with the reporter statement returns

- a. Pass
- b. Fail
- c. Done
- d. Warning

**Ans : c**

6) The standard timing delay for windows application is

- a. 20 seconds
- b. 60 seconds
- c. Infinite
- d. 100 seconds

**Ans : b**

7) A database management system (DBMS) is a .....

- (A) hardware system used to create , maintain and provide controlled access to a database
- (B) hardware system used to create, maintain, and provide uncontrolled access to a database.
- (C) software system used to create, maintain, and provide uncontrolled access to a database.
- (D) software system used to create, maintain, and provide controlled access to a database.
- (E) None of these

**Ans : (D)**

8) In VB Script functions, which one is false among the following

- a. Variables must be declared before use
- b. Variables may not be declared before use
- c. Variables may be declared without data types
- d. None

**Ans : a**

9. Database used in IBM mainframes\_\_\_\_\_

**Ans: db2**

10. Testing used to test internal logic\_\_\_\_\_

**Ans : white box**

11. extension file not executable

- a. exe
- b. com
- c. bat
- d. obj

**Ans(d)**

12. which variable can be accessed by all the functions of a program.

**Ans.global**

13. Binary search order is \_\_\_\_\_-

**Ans :  $n \log n$ (base 2)**

14. Which of the following is a non linear data structure?

a. stack    b. queue    c. linked list    d. tree

**Ans: (d)**

15. which blocks an access to the server or a computer from an outside computer?

**Ans. firewall**

16. which of the following is not a .net compatible?

a. vb.net    b. asp.net    c. c#    d. cobol.net

**Ans:d**

17. ie(internet explorer) defaultly supports which script?

a. java script    b. jscript    c. xml    d. None

**Ans: java script**

18. Most popular format for displaying electronic documents on the Internet

a)HTTP b)HTML c)PDF

**Ans a**

19. Which of the following involves context switch,

(a) system call    (b) privileged instruction    (c) floating point exception  
(d) all the above    (e) none of the above

**Ans: (a)**

20. In OST, terminal emulation is done in

(a) sessions layer (b) application layer (c) presentation layer (d) transport layer

**Ans: (b)**

The interview consists of 3 rounds.

1.Written test

It has totally 50 qns.

verbal-20  
aptitude-20  
technical-10

verbal

It consists of 3 or 4 synonyms and antonyms(always from gre books).Its quite diff to read everything and remember,so have a guess on this and dont prepare much for this.

then active,passive,tenses,jumble sentences,short paragraph qns(comprehensions).

The verbal section is very easy only.No preparations needed for this one.

Aptitude:

it had qns from

Heights and distance,clock,ages,permutations and combinations,probability,profit and loss,boats and streams,distance(trains)

A go through on R.S.Agarwal's Quantitative aptitude book is more than enough.

memorise all the formulae in that book under each section and see the eg solved problems alone.

All the qns are always asked from this book only and hence a good preparation on this ll easily get you through to next round.

Technical:

2 general questions

Which of the following will be loaded firstle when u switch on a computer

answer :bootstrap loader

apache tomcat software is a

ans:A popular cleint-server application

one qn from queue

3 qns from c nd c++(a small pgm was given and the output is asked)

1 unix qn,2 qns from operating systems.

this written test has a sectional cutoff

verbal and apptitude-12 each(they change often)

technical-5 or 6

So Getting all the qns correct from 1 or 2 sections ll not get you through.

overall the written test is quite easy compared with other app tests like hcl,infosys and all.

The results are announced in an hour.

the selected students were asked to write a essay on any one given topic in ten mins.our topic was -"Privatisation of education-your comments"

In the technical round,almost every panel asked to explain about our projects

So Have a very clear idea about it.Explaining it in a way satisfying to the interviewer itself ll almost get you through.

Mention your areas of interest in your resume. 1 or subjects is enough.Have a clear idea of all the concepts in that

subjects.Dont mention c,c++ or java as areas of interest unless you are well verse with programming.

Some of them asked stud to write programs.Even if u dont know anything give a try and write something related to that!!

HR round:

Ther ll be only very few rejections in the hr round.

It ll be mostly a very general one like tell me abt urself,family like that!!