XAT Entrance Test
January 4, 2004

We are happy to present you a comprehensive analysis of the at 2004 held on 4th January 2004. It has been recreated with the help of PT faculty and PT students from across the nation. The entrance test for XAT had the same pattern as last year except the sectional time limit. There were **3** sections in all. The number of questions in each section was same.
Section wise break off is given below

Section	Total Number of questions	Alloted time
General Knowlede	60	40 minutes
EU + RC	80	40 minutes
Mathematics + DI	60	40 minutes

20 minutes for writing an essay was allowed after the objective paper.

A few major changes / surprises
➢ There were different time limits for Maths and General Knowledge section.
➢ Maths - surprisingly was easy and manageable for the students.
➢ Language section was also on the manageable side.

A bird's eye view :

Total Number of Questions	:	200
Total Time	:	120 + 20 minutes
The Marking Scheme	:	The answers had to be marked with an HB pencil only. There was one mark for every correct answer and 1/3 negative marking for every wrong answer.
Sectional cut-off	:	There were sectional cut-offs.
Number of sets	:	Fours Sets.

Expected Cut off :

XLRI, JAMSHEDPUR   :   105 +

Sectional Cut off :

General Knowledge   :   30-35

EU + RC   :   45-50

Mathematics + DI   :   25-30

Item Code : PT–Pin–γXAT2003

DETAILED SECTIONAL ANALYSIS :

Section 1
General Knowledge (60 questions – 40 minutes)

This section contained **6** different sets of **10** questions each.

(1) Geography
(2) Science
(3) Constitutional
(4) Philosophical / humorous quotes
(5) Management
(6) History

Section 2
English usage and Reading Comprehension (80 questions– 40 minutes)

(1) Synonym	–	20 questions
(2) 2 RC Sets	–	20 questions
(3) RC based antonym	–	10 questions
(4) Fill in the blank	–	10 questions
(5) Analogies	–	20 questions

Section 3
Mathematics + Data Interpretation (60 questions – 40 minutes)

(1) Individual questions	–	30 questions
(2) Probability	–	10 questions
(3) Functions	–	10 questions
(4) DI set (table)	–	10 questions
(5) DI set (Pie chart)	–	6 questions
(6) Miscellaneous	–	9 questions
(7) Series	–	5 questions

Some of the questions reproduced by PT faculty and students are given below

Section 1 : General Knowledge

1. Which wind flows in alps mountain?

2. First women to become prime minister in the world?

3. Chilka lake is located in the delta of which two rivers?

4. Creator of pentium chip?

6. 26 November 1949 which document was drafted ?

7. Long form of periodic table is based on

8. League of nation was formed by?

9. Who is the father of history?

10. Fa – hing came in which rein of ruler of India?

11. Who has invented pentium computer

12. Which one is the largest circle ?

13. Who was the Vanguard in the American consumer rights movements?

14. If an object from satellite is dropped from 500 km above the earth and an object is dropped, then what will happen to it.

15. Where was the NAM summit held in 2003?

16. Which was the first charter, that gave rights to people?

17   Which is India's largest Sulphur producing state?

18   Which of the following Indian state does not produce rice?

19   Which river passes through rift valley?

20   India's major contribution in middle ages is ?

21   In which sector India has seen the maximum growth?

22   Fa Hien visited during which dynasty?

23   Galileo is associated with which phenomenon?

24   The 44th amendment led to the deletion of which right?

25   Who is known as the father of history?

26.   Statement I   :   Graphite is formed from coal through thermal metamorphosis.
       Statement II   :   Gypsum is a sedimentary rock.
       (1)   Only I
       (2)   Only II
       (3)   Both I & II
       (4)   Neither I, nor II

27.   What is the electric field inside a conductor?

28.   Which country has the most knowledge about its history?

29.   City of god, written by Saint Augustin, what did it deal with?

30.   26/11/1949- Indian parliament adopted what?

31.   What was the first documented code of conduct written for human beings?

32.   When was the conduct written?

33.   Why was the conduct written?

34.   Through which country does the tropic of cancer doesn't not pass?
       (1)   Yemen
       (2)   Oman
       (3)   Egypt
       (4)   Mexico

35.   Which is the biggest imaginary line revolving the earth?
       (1)   Tropic of cancer
       (2)   Tropic of Capricorn
       (3)   Equator
       (4)   Arctic circle.

36.   44th amendment has abolished which right?

37.   Who is known as the father of history?

38.   Who is the pioneer of the consumerist movement?

39.   " Fallacy of business run by only one objective". What does this statement emphasize?

40.   " Corporate governance" – what does the term mean?

41.   " I don't deserve this award , but I have arthritis ....."

42.   " Leaving cigarette is all about will power and determination ....."

43.   " You are dull, have no sense of humour, non contemplating, you don't deserve a position in our organization but you deserve a post as a ......"

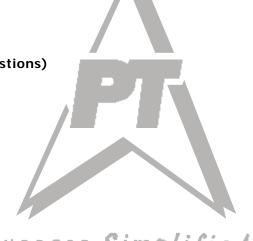44.   India has made most significant development in which of the sector?

Section 2 : English Usage and Reading comprehension

Direct Synonyms (20 questions)

(1)   Egalitarian

(2)   Cache

(3)   Amortize

(4)   Chagrin

(5)   Chronic

(6)   Unkempt

(7)   Spindly

(8)   Nutrient

(9)   Biennial

(10)   Asperity

(11)   Lilting

(12)   Gimmick

(13)   Orientations

(14)   Vis– A– Vis

Antonyms Based on RC (10 questions)

(1)   Disconsolate

(2)   Brightly Coloured

(3)   Volunteer

(4)   Craggy

(5)   Spare

(6)   Perseverance

(7)   Unremittingly

Reading Comprehension (20 questions)

Both RC's were extract from Shakespeare's play. Though the language of the passage was difficult the questions were direct and manageable.

Fill in the blanks (10 questions)

Questions tested general English and should have been attempted.

Analogies (20 questions)

(1)   Dove : Cote ::

(2)   Ethics : Business ::

(3)   Mason : Wall ::

(4)   Scales : Justice ::

(5)   fox : den ::

(6)   Goose : Fleet ::

Section 3 : Mathematics And Data Interpretation

DIRECTION : *10 boxes each has n balls each ,u have a spring balance which can measure accurate weights. Each ball is 100g. Only one box contains lighter balls of 90 g each. U can take out any number of balls from any number of boxes m = number of minium weighings.*

(1)   n = 9; m = ?

(2)   n = 8; m = ?

(3)   n = 1; m = ?

(4)   n = 2; m = ?

(5)   n = 3; m = ?

(6)   15 students; 7 study greek; 8 study latin; 3 study none; How many study both?

(7)   6, 15, 35, 77, ...

(8)   30, 36, 42, 52, 66, ...

(9)   60 games were played ,30% of the games were won by one group ,there after they won all the game in their winning streak. And averaged their winnings to 50% .How many games had they won in a row?
       (a)   16
       (b)   24
       (c)   30
       (d)   70

DIRECTIONS : *There are 5 balls & Four urns.*

(10)   How many number of balls can go in any sets.

(11)   How many ways are there such that only one set is empty

(12)   If first ball should go in first turn only ,how many ways are there for arrangement

DIRECTIONS : *Suppose they are 3 ball instead of 5 and 3 urns instead of 4. Than how many ways are of arrangements.*

(13)   Only 1 is empty

(14)   Only 2 is empty

(15)   Sets are empty

(16)   The first ball always goes in the first box

A DI Tabular set was given and the following question were asked

(17)   5%, 6%, 7% is the rate of interest. What amount should be invested to get Rs.10000?

(18)   At what rate of interest, the amount would double within 10 years?

Individual Question

(19)   Triangular plot dimension 28/35/56 & poles are to be kept at 7m distance on the periphery. How many more poles will be required after putting the poles on vertices?

(20)   Which sign should be replaced instead of ( ) brackets to make the statements true?
       6/14 ( ) 9/21 = 3/7
       (1)   +
       (2)   −
       (3)   =
       (4)   x

DIRECTIONS for 21 to 27 :

$A(m, n) = A(m, n) = n + 1$, if $m = 0$

$= A(m, n) = n - 1$, if $n = 0$

$= A[(m - 1), A(m, n - 1)]$, if $m \neq 0$; $n \neq 0$

(21)   Value of A (0,2)

(22)   Value of A (0,3)

(23)   Value of A (1,3)

(24)   Value of A (2,3)

(25)   Value of A (0,2) similar to

(26)   Value of A (1,3) similar to

(27)   Value of (2,0)

(28)   There is rectangular field of 60 feet X 110 feet. On one of the longer sides we have to fence it with a wall costing Rs. 5 per feet, the other sides have to be enclosed with a fence costing Rs. 2 per feet. Find the cost of the fencing.

(29)   There is a triangle with sides as follow 28m, 35m, 56m. If poles are to be erected with inter pole distance to be 7m. How many poles can be put if poles at corners are already there.

(30)   Distance between 2 stations is d. Train moves with the speed of m and reaches other station late by 2 hours. Calculate the speed with which train has to travel to reach in time.

(31)   There is a cubical box and each dimensions of the box has been increased three times. What is the volume of new box in comparison to old box.

(32)   A man buys goods from the market of Rs.452 to resell in the local market. After receiving Rs.420 he finds that he still have goods of Rs.92 unsold. What profit has he made till now?

(33)   M men are to pay $140. 3 men drop out and as a result each man had to pay Rs. 6 more. Find M.

(34)   There is a rectangular tank measuring 25 l 9 inches, and having water till 2 inches height. What is the height of water in the cylindrical container of diameter 10 inches if the same water is poured in the container?

(35)   Three houses are to be painted and there are three people. First – 6, second – 8, and third – 12 days to paint individually. First stops after 8 days and second continues for the next 6 days. In how many more days third can complete the job?

(36)   There is a rectangular field measuring 100 × 60. One side is to be fenced with stone @ $5 and other sides with wire @ $2. What is the total cost?

ESSAY TOPIC :

Discuss the following statement in the space provided (1 page was given seperately to give the response)

Asked at the age of 83, as to which of his projects would he choose as his master-piece, Frank Lloyd Wright, the architect answered "The next one."