

SIBM Entrance Test

January 19, 2003

We are pleased to present a detailed analysis of the SIBM entrance test that was held on January 19, 2003. The questions has been recalled with the help of PT faculty and PT students from across the nation.

A bird's eye view :

- Duration : 180 minutes; Number of Questions : 180;

The complete division of the test was as follows :

English Language	: 50 Questions
Mathematical Aptitude	: 50 Questions
General Knowledge	: 50 Questions
Logical Reasoning	: 30 Questions

- Marking Scheme : 1 mark for each correct question

Section 1 : 50 Q (English Language)

The English Language section of the paper was moderate. No RC passage was asked in the test. All the questions of English Language section were based on Vocabulary and Grammar.

Section 1 : 50 Q (Mathematical Aptitude)

There were 50 Questions on Mathematical Aptitude, the questions were moderate with a majority of questions from Arithmetic topics like Percentages, Simple and Compound Interest, Stocks and Share, Calendars, Clocks, Height and Distance, Number Series, Work and time, etc. A decent attempt in this section could have been around 40 - 45 questions.

S.No.	Area covered	Number of question
1	Simple Interest and Compound Interest	5
2	Stocks and Shares	2
3	Calendars	2
4	Clocks	1
5	Speed-Time-Distance	5
6	Logarithms	1
7	Heights and Distances	1
8	Number Series	6

Section 2 : 50 Q (General Knowledge)

There were 50 questions in all and a well read student with a good knowledge of current events as well as conventional G.K, could have easily attempted at least 30-35 questions.

Section 3 : 30 Q (Data Interpretation + Data Sufficiency)

This section was also manageable. The difficulty level was manageable and a good attempt in this section could have been 20 - 25 questions.

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English Usage

Questions 1 to 50 : In the English Usage section of the test there are major composition was of Grammar. No RC passages were asked in the test.

Antonyms and Synonyms : Ten questions were asked on Antonyms and Synonyms (5 each).

1. Synonym of PRIVILEGE
2. Antonym of GENEROUS is :
3. Antonym of STROMA

Correct Spelling : Five questions were asked on correct spelling.

4. Boycott

Grammar :

S.No.	Topic Name	Number of Questions
1	Identify Gerund, Adverb, article and Noun in the sentence.	10
2	Identify errors in the sentence.	5
3	Analogies	5
4	Odd words	5

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Mathematical Aptitude

Directions for Q.51 to 100 : For the following questions choose the correct option .

51. A train of length 450 m crosses a bridge of 150 m. If the speed of train is 20 m/sec. How much time would it take for the train to cross the bridge.
- (1) 35 seconds (2) 21 seconds
(3) 45 seconds (4) 30 seconds

Sol: Total time required = $(450 + 150)/20 = 30$ seconds. **Ans.(4)**

52. One person can swim 24 kms upstream and 36 kms downstream in 6 hours. The same person can swim 6 kms upstream and 24 kms downstream in 6.5 hours. What is the speed of the current ?
- (1) 3.5 kmph (2) 4 kmph
(3) 5 kmph (4) 2 kmph

Sol: Let the speed of the current = v kmph and let the speed of the man = u kmph. Then by the condition given in the question : $\frac{24}{u-v} + \frac{36}{u+v} = 6$ (1) and $\frac{6}{u-v} + \frac{24}{u+v} = 6.5$ (2). By solving equation (1) and (2) simultaneously we get the speed of the current = $v = 3.5$ kmph. **Ans.(1)**

53. If on 20th March 1995 there was a Monday then what will be the day on 3rd November 1994?
- (1) Saturday (2) Monday
(3) Friday (4) Tuesday

Sol: Total days between 3rd November 1994 and 20th March 1995 = 137. $137 = 4 \text{ mod}(7)$. Hence Fourth day after Monday i.e., Friday. **Ans.(3)**

54. Two vehicles start at the same time to travel towards each other at the speed of 30 kmph and 60 kmph respectively. When the two vehicles met one had travelled 120 kms more than other. The distance between the two points is :
- (1) 600 kms (2) 540 kms
(3) 360 kms (4) 240 kms

Sol: Let the two vehicles meet after t hours. Then by the condition given in question : $60t - 30t = 120 \Rightarrow t = 4$ hours. Hence the total distance between two points = $240 + 120 = 360$ kms. **Ans.(3)**

55. Certain number of men complete a work in 100 days. If 10 men removed, then the remaining persons take 10 days more. How many men are there initially :
- (1) 90 (2) 100
(3) 120 (4) 110

Sol: Given x persons can complete a work in 100 days and $(x - 10)$ persons can complete the same work in 110 days.

(Indirect Ratio). So, $\frac{100x}{x-10} = 110 \Rightarrow x = 110$. **Ans.(4)**

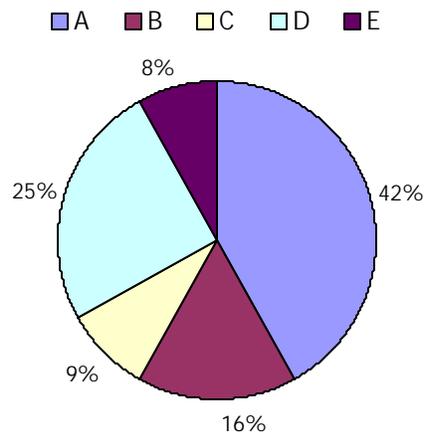
56. If cubes of edges 6, 8 and 10 melted to form a single cube, then what will be the side of new cube ?
- (1) 18 (2) 13
(3) 12 (4) 21

Sol: The volume of the new cube = $6^3 + 8^3 + 10^3 = 216 + 512 + 1000 = 1728 = 12^3$. Hence the side of new cube = 12. **Ans.(2)**

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Directions : The following Pie Chart shows the data of budget of a certain country for a certain year. Study the chart carefully and answer the questions that follow :

Total Amount = 300 lakhs



60. Amount spend on B is :

61. If Budget tripled then total of A is :

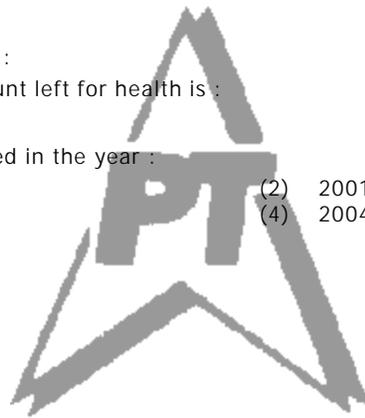
62. If E's 50% is given to C then amount left for health is :

64. The calendar of 1996 can be reused in the year :

- (1) 2002
- (3) 2003

- (2) 2001
- (4) 2004

Sol: Ans.(2)



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General Knowledge

Directions for Q.101 to 150 : For the following questions choose the correct option .

101. 'Confluence 2002' :
102. Why 7th April is celebrated ?
103. LTTE stands for :
104. VAIO of Sony, what it is ?
105. Which Indian Film is based on Film 'American Pie' ?
106. Which of the following is the largest Private Sector of India ?
107. Largest investment by ONGC videsh is :
108. Woman Mathematician
109. Company to launch commercialize Mouse
110. European car on a French name.
111. Which of the following is the first movie of James Bond ?
112. The difference between the Share and the Stock is :
113. 'Pnek' is related to which of the following game ?
114. 'Ryder Cup' is associated with which of the following game ?
115. 'Graveity is brand name of which company?
116. Largest foreign bank in India is :
117. 'Poodle Strip' is related to :
118. What is M Commerce.
119. Longest sung musical play is :
120. Microsoft is introducing camera in new PCs. What it is called ?



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Overall analysis

The test can be rated as a moderate one. The questions related to Quantitative aptitude were moderate remaining topics were average in difficulty level.

Ideal attempts = 120+
Overall cut - off = 100+



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