

Narsee Monjee Institute of Management Studies November 17, 2002

This year the test had no major variants as compared to the previous years test. All the test areas were easy to moderate in toughness and achievable.

The test comprised 100 questions, to be solved in a time span of 90 minutes. As such no sectional time limit were mentioned. While there was 1.5 marks allotted for each correct answer, each wrong answer resulted in deduction of 0.5 marks. Thus, while solving the paper students had to concentrate more on accuracy.

Sections	Number Of Questions
Reading Comprehension	2 passages, 10 questions (5 questions each)
English Usage	10 Questions
Data Interpretation	3 sets, 15 questions (5 questions each)
Data Sufficiency	10 Questions
Logical Reasoning	20 Questions
Mathematics	20 Questions
Assumptions	15 Questions
Total	100 Questions

Barring questions based on assumptions, all questions were very easy.

Reading Comprehension & English Usage

2 Short RC passages were asked, but the questions followed by RC passages were tricky.

First RC passage is based on Egyptian history related to Tutenkhamen. 5 Questions were asked on passage. A few of the questions are as mentioned :

- What is the meaning of the word 'Hoi Pollai' as used in the passage ?
 (1) Elite (2) Clergy
 (3) Masses (4) Noble

Ans. (3)

- The building of pyramid was a result of :
- Which of the following is true.
- What is the king's name :

Second RC passage was based on Astrology and position of polestar. 5 Questions were asked on passage.

Directions for Q. 5 - 8 : Fill in the most appropriate word in the blanks given in the passage given below.

Proof for pudding pies in _____5_____ eating, _____6_____ how well laid your plan is even the most well _____7_____ plan can go _____8_____ and the most ill-conceived plan can give you success.

- (1) its (2) their
(3) for (4) as
Ans. (1)
- (1) suitable (2) in all cases
(3) no matter (4) None of the above
Ans. (3)
- (1) imagined (2) laid
(3) predicted (4) stated
Ans. (2)
- (1) awry (2) smoothly
(3) unusually (4) unexpectedly
Ans. (1)

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Directions for Q. 9 - 11 : Choose the **closest meaning** of the words from the options given below

9. BEWAIL :
(1) Happy (2) Mourn
(3) Frustrated (4) Ecstatic
Ans.(2)
10. PROGNOSTIC :
(1) Obvious (2) Oblivious
(3) Ominous (4) Obnoxious
Ans.(3)
11. ENVISAGE :
(1) Berate (2) Extol
(3) Perform (4) Conceive
Ans.(4)

Directions for Q. 12 - 16 : Choose the **opposite meaning** of the words from the options given below.

12. CHAGRIN
(1) Mortify (2) Please
(3) Confuse (4) Clarified
Ans.(2)
13. DEFIANCE
(1) Challenge (2) Oppose
(3) Resistance (4) Obedience
Ans.(4)
14. ABANDON
(1) Desert (2) Neglect
(3) Inhabited (4) Profligate
Ans.(3)
15. BENIGN
(1) Pleasant (2) Salutory
(3) Morose (4) Malignant
Ans.(4)
16. BRAVE
(1) Brazen (2) Craven
(3) Heroic (4) Malignant
Ans.(2)

Logical Reasoning

Directions for Q. 17 - 20 : Find odd one out in the following questions :

17. Whale, Elephant, Turtle, Monkey
(1) Whale (2) Turtle
(3) Elephant (4) Monkey

Sol : All other are mammals. **Ans.(2)**

18. AD, GJ, LN, OR
(1) AD (2) GJ
(3) OR (4) LN

Sol : There are difference of two alphabets in all other groups. **Ans.(4)**

19. EHJ, ADF, LMO, QTV
(1) EHJ (2) ADF
(3) LMO (4) QTV

Sol : E E G H I J,
A B C D E F,
L M N O,
Q R S T U V

In all other groups of alphabet there are difference of two alphabet between first two alphabets and the difference of one alphabet between last two alphabets. **Ans.(3)**

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20. LM, OR, OP, CD

- (1) LM
(3) OP

- (2) OR
(4) CD

Sol : All other are consecutive in English Alphabet. **Ans.(3)**

21. AC, DF, GI, HK

- (1) AC
(3) DF

- (2) GI
(4) HK

Sol : In all other groups of alphabet there are difference of one alphabet. **Ans.(4)**

Directions for Q. 22 - 32 : For the following questions choose the correct option.

22. Arun want to purchase a doll. There are 4 doll A, B, C, D. D is shorter than A but taller than C, B is shorter than D but taller than C, if Arun wants to purchase tallest doll then he will purchase:

- (1) A
(3) A & D

- (2) B
(4) C

Sol : By the conditions given in question : $A > D > B > C$. **Ans.(1)**

23. Impeccable : Flaw :: Absurd : ?

- (1) Crime
(3) Warning

- (2) Permission
(4) Sense

Sol : **Ans.(4)**

24. Happiness : Emotions :: Walking : ?

- (1) Behaviour
(3) Leg

- (2) Action
(4) Direction

Sol : **Ans.(2)**

25. Leg : Foot :: Arm : ?

- (1) Palm
(3) Thumb

- (2) Nail
(4) Finger

Sol : **Ans.(1)**

26. Senior Manager gives a file to clerk on Monday then clerk gives the same file to Deputy Manager on subsequent day. Then, what day the file reached to Deputy Manager ?

- (1) Tuesday
(3) Thursday

- (2) Wednesday
(4) Friday

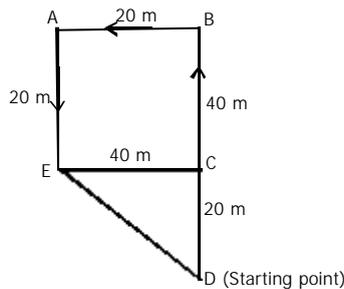
Sol : **Ans.(1)**

27. A man walks 40 m North then takes left and walks 20 m, then takes left and walks 20 m. How far is he from his starting point ?

- (1) 60 meters
(3) 40 meters

- (2) 20 meters
(4) None of the above

Sol :



$$\text{Required distance} = \sqrt{40^2 + 20^2} = \sqrt{2000} = 44\text{m (approx.)}$$

Ans.(1)

28. There are five friends A, B, C, D, E. A is taller than B but shorter than C and D is taller than A but shorter than E. E is shorter than C. Who is tallest ?

- (1) A
(3) C

- (2) B
(4) D

Sol : By the conditions given in question : $C > E > D > A > B$. **Ans.(3)**

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29. Ramesh is taller than Prem but shorter than Suresh. Suresh is taller than Raghav but shorter than both Rajeev and Rajesh. Who is the tallest among all ?
- (1) Ramesh or Suresh (2) Raghav
(3) Can't say (4) Rajeev

Sol : By the conditions given in question : Rajeev, Rajesh > Suresh > Ramesh > Prem, Raghav . **Ans.(3)**

30. The 8th to the left of 13th symbol/number/alphabet (from the left end) in below given series is :

A 5 B 3 \$ * X Z Y 1 9 5 S U 4 10 W \$ @

- (1) \$ (2) 5
(3) A (4) B

Sol : The 8th symbol/number/alphabet to the left of 13th symbol/number/alphabet
 $\Rightarrow (13 - 8) = 5$ th symbol/number/alphabet from the left of series. i.e., \$. **Ans.(1)**

31. In the sequential arrangement of English alphabets, what is the alphabet that is 16th to the right of 24th from the right.

- (1) F (2) G
(3) U (4) S

Sol : 16th to the right of 24th from the right means $(24 - 16)$ 8th alphabet from the right in English alphabets. i.e., S **Ans.(4)**

32. If the second half of the English alphabets are reversed, what shall be 12th to the right of 13th from the left.

- (1) N (2) Y
(3) O (4) P

Sol : 12th to the right of 13th from the left means $(12 + 13)$ 25th alphabet from the left. i.e., O (as the second half of the English alphabet are reversed). **Ans.(3)**

Directions from Q. 33 : Following two Inferences are based on a statement given. Choose the most suitable option for the question.

33. People protest that Teacher should not be used for counting votes.

- (I) They may be used (II) They may not be used
(1) Inference (I) is correct (2) Inference (II) is correct
(3) Either could be true (4) Neither could be true.

Sol : Ans. (2)

Directions from Q. 34 : Following two statements are given. Statement which can be deduced from these two statements will be your answer.

34. (I) All cars are black (II) Some black are white
(1) All cars are white (2) some white are cars
(3) All white are cars (4) None of the above

Sol : Ans. (4)

Directions from Q. 35 & 36 : One paragraph is given in each of the following questions followed by one or two conclusions. Find which conclusion can be made out from the given paragraph :

35. 2500 million years before the whole of earth was a single land. There was no boundaries as such for continents, nations etc. But now the division has occurred on a large scale

- (I) Division has started after 2500 million years.
(II) Before 2500 million years man could walk from one end to the other of earth.
(III) Man is responsible for the divisions.
(1) Only I (2) I and II both
(3) Only III (4) I and III both

Sol :Ans. (1)

36. Company X's sale is more than company Y's sale even though its advertisement has 'girl next door model' and advertisement of company 'Y' has Kate Winslet, who is very famous amongst American women.

- (I) Popularity of Kate Winslet is reducing
(II) Customers give more credibility to advertisements which are close to real life.
(1) If inference I can be drawn (2) If inference II can be drawn
(3) If both inference can be drawn (4) If none of the inference can be drawn.

Sol :Ans. (2)

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Data Sufficiency

Directions from Q. 37 - 42: Given below are questions followed by two statements labelled (A) and (B). You have to decide if these statements are sufficient to answer the question. Give your answer as :

- (1) if statement (A) alone is sufficient to answer the question.
- (2) if statement (B) alone is sufficient to answer the question but statement (A) is not.
- (3) if both statements (A) and (B) taken together, are sufficient to answer the question although neither statement suffices individually.
- (4) if the two statements are not sufficient but more data is required to answer the question.

37. Sanjay and Vijay two friends started their journeys from Nasik to Pune. Who reached Pune first ?
(A) Sanjay overtake Vijay 3 times and Vijay overtake Sanjay 2 times.
(B) Sanjay started first.

Sol : Ans. (4)

38. How much is the weigh of 20 mangoes and 30 oranges ?
(A) 6 Oranges and 6 Mangoes weighs 800 gms.
(B) Mango is twice the weight of Orange.

Sol : Ans. (3)

39. If the average height of class is 5 feet. What is the number of students in the class ?
(A) Height of the tallest student is 8.5 feet and the height of the shortest is 3.5.
(B) Exclusion of tallest and shortest student doesn't change average height.

Sol : Ans. (4)

40. Is 'r' a real number ?
(A) $r + 1$ is a real number
(B) r^2 is a real number

Sol : Ans. (1)

41. What is the age of P ?
(A) P's age is average of S and W.
(B) S's age is twice of W and W's age is 3 less than P's age

Sol : Ans. (3)

42. Is Prema's age is less than 15 years ?
(A) Prema's age is 3 years more than Bela and is average of Bela and Arun.
(B) Arun's age is square of Bela's age.

Sol : Ans. (3)

Mathematics

Directions for Q. 43 – 55 : For the following questions, four options are given. Choose the correct option.

43. 14 is what % of 26.
(1) 53.8% (2) 43.2%
(3) 33.4% (4) None of the above

Sol : Ans. (1)

44. 14 chairs and 13 tables cost Rs. 605, while 6 chairs and 8 table cost Rs. 320. What is the cost of one table and one chair ?
(1) Rs. 45 (2) Rs. 55
(3) Rs. 65 (4) Rs. 70

Sol : Let the price of one chair = Rs. x and price of one table = Rs. y.
By the conditions given in question : $14x + 13y = 605$... (1) and $6x + 8y = 320$... (2).
By solving equations (1) and (2) simultaneously : $x = 20$, $y = 25$. **Ans. (1)**

45. If # means '-', @ means '+' and $L = 15$, $P = 5$, $C = 2$, then the value of $L\#P@C$ is :
(1) 7 (2) 8
(3) 12 (4) 9

Sol : $15 - 5 + 2 = 12$. **Ans. (3)**

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46. A man moving at the speed by 3 kmph reaches his destination 40 minutes earlier. If he moves at the speed of 2 kmph he reaches the same destination 40 minutes late. The distance covered by the man is :
- (1) 8 (2) 10
(3) 6 (4) 12

Sol : Let the distance = X km. By the condition given in question : $\frac{X}{2} - \frac{X}{3} = \frac{80}{60} \Rightarrow X = 8$ kms. **Ans. (1)**

47. There are two hollow cylinders. Radius and height of the larger cylinder are 35 cm and 63 cm respectively. One is inserted into another (both have negligible thickness). What volume of water can they hold ?
- (1) 222530cm² (2) 222680cm²
(3) 242550cm² (4) 252300cm²

Sol : As the smaller hollow cylinder is inserted in to the larger cylinder and their thickness are negligible. Volume of water contain by cylinders = volume contain by larger cylinder = $\pi^2 h = \frac{22}{7} \times 35 \times 35 \times 63 = 242550$ cm² **Ans. (3)**

48. $3a/4 + b/2 = 19$ values of (a, b)
- (1) (3, 7) (2) (7, 3)
(3) (2, a) (4) (12, 20)

Sol :Ans. (4)

49. Salary of Ajay and Vijay is in the ratio 3 : 4 and their expenditures is in the ratio of 2 : 3. If each person saves Rs. 1000/- then Vijay's income is :
- (1) Rs. 2000 (2) Rs. 2500
(3) Rs. 3000 (4) Rs. 4000

Sol : Let the salary of Ajay and Vijay is Rs. 3x and Rs. 4x respectively and their savings are Rs. 2y and Rs. 3y respectively. By the condition given in question : $3x - 2y = 1000$... (1), $4x - 3y = 1000$. By solving equation (1) and (2) simultaneously, Vijay's salary = Rs. 4000. **Ans. (4)**

50. The ratio of A, B and C's salary is 2 : 3 : 5 and the difference of A and C's salary is Rs. 600 then the Salary of B is :
- (1) Rs. 1000 (2) Rs. 600
(3) Rs. 1200 (4) Rs. 400

Sol : Let the salaries of A, B and C is Rs. 2x, Rs. 3x and Rs. 5x respectively. By the condition given in question $5x - 2x = 600 \Rightarrow x = 200$. Hence, the salary of B = $3x =$ Rs. 600. **Ans. (2)**

51. If 10 mangoes and 5 orange cost Rs. 140 and 1 mango is equal to 2 oranges then what is value of 1 mango and 1 orange ?
- (1) Rs. 9.2 (2) Rs. 8.4
(3) Rs. 7.5 (4) Rs. 5.6

Sol : Let one mango cost Rs. X and one orange cost Rs. Y. By the condition given in question : $10X + 5Y = 140$ and $X = 2Y$. So, $X = 5.6$, $Y = 2.8$. Hence, the cost of one mango and one orange = Rs. 8.4. **Ans. (2)**

52. $2x : 3y$ and $3y : 4z$ then $x : z$ is :
- (1) 1/2 (2) 3/2
(3) 4/5 (4) 2/1

Sol :Ans. (4)

53. $\frac{1}{3}$ of $\frac{2}{4}$ th of $\frac{11}{10}$ is :

- (1) $8\frac{1}{4}$ (2) $\frac{25}{99}$
(3) $\frac{12}{25}$ (4) $\frac{11}{60}$

Sol : $\frac{1}{3} \times \frac{2}{4} \times \frac{11}{10} = \frac{11}{60}$. **Ans. (4)**

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54. A man can row upstream at 7 kmph and downstream at 10 kmph. What is the speed of man in still water ?
 (1) 8.5 kmph (2) 6 kmph
 (3) 7 kmph (4) 1.5 kmph

Sol : Rate in still water = $\frac{1}{2}(10+7) = 8.5$ kmph. **Ans. (1)**

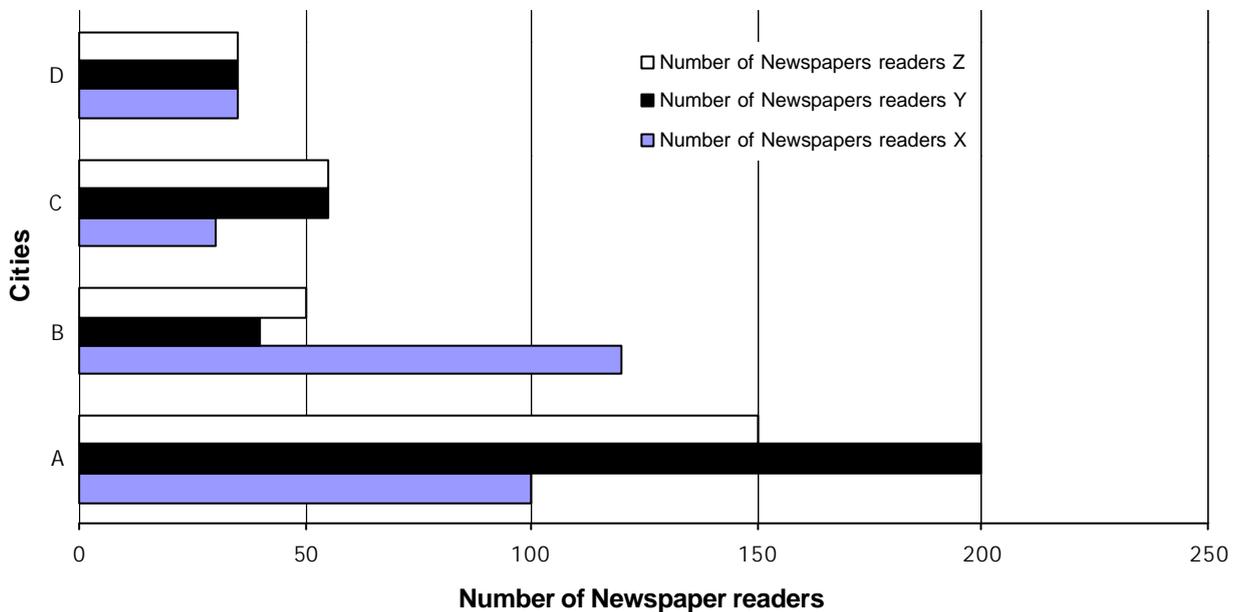
55. $\frac{7a}{3} \times \frac{13}{b}$, then $\frac{a}{b} = ?$

- (1) $\frac{3}{91}$ (2) $\frac{4}{15}$
 (3) $\frac{2}{17}$ (4) $\frac{4}{19}$

Sol :Ans. (1)

Data Interpretation

Directions for Q. 56 & 57 : Following graph shows the number of readers of newspapers x, y and z in cities A, B, C and D. Study the graph carefully and answer the questions that follow.



56. The ratio of the number of readers of newspaper X to the number of readers of newspapers Y in all cities is :
 (1) 57/68 (2) 34/43
 (3) 12/17 (4) 15/23

Sol : Total number of readers of newspaper X in all cities = $40 + 35 + 110 + 100 = 285$
 Total number of readers of newspaper Y in all cities = $40 + 55 + 45 + 200 = 340$

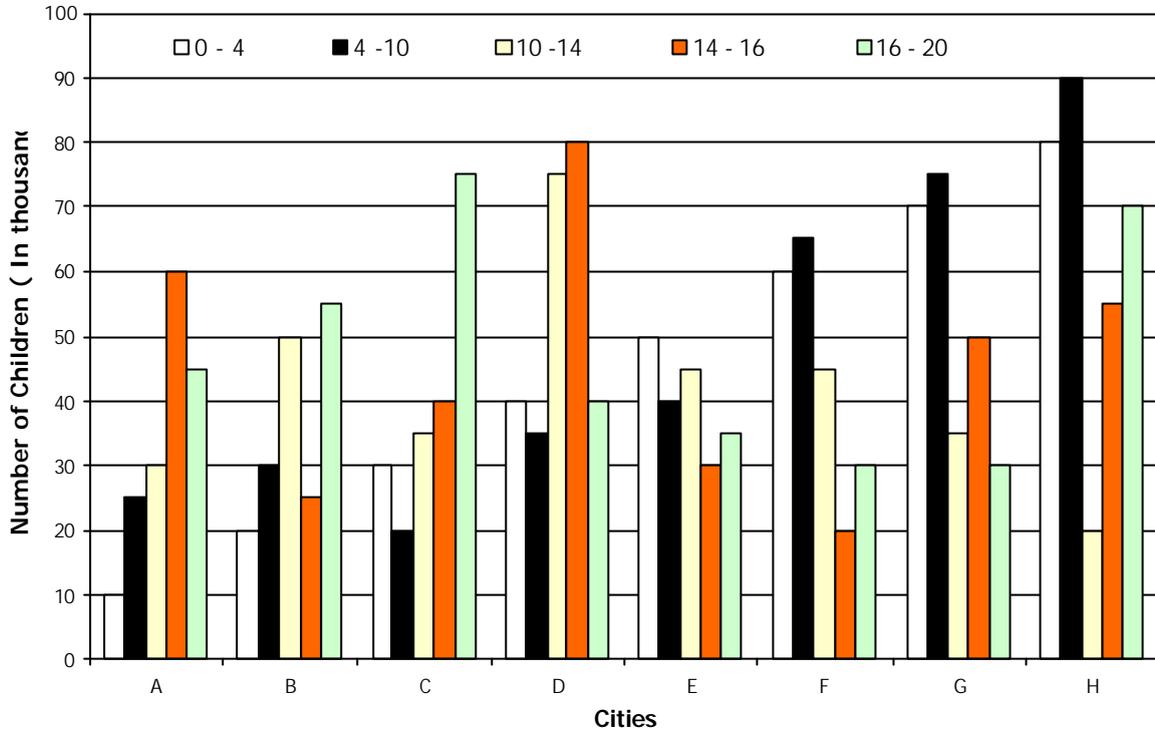
Required ratio = $\frac{285}{340} = \frac{57}{68}$. **Ans. (1)**

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57. If 20% readers of newspaper X of city B shift to city A, then value of readers of newspaper X in city A is :
 (1) 122 (2) 100
 (3) 110 (4) 115

Sol : Required Number = $100 + 110 \times \frac{20}{100} = 122$. **Ans.(1)**

Directions for Q. 58 & 59 : Following graph shows the number of children in city A, B, C, D, E, F, G and H under various age groups. Study the graph carefully and answer the questions that follow.



58. Number of children under group 10-14 in city A is how many percent of number of children under same group in city B ?
 (1) 50 % (2) 60%
 (3) 70% (4) 55%

Sol : Ans.(2)

59. What is the ratio of the number of children in city F and in city G under age group 0 -4 ?
 (1) 2 : 3 (2) 4 : 5
 (3) 6 : 7 (4) 8 : 9

Sol : Ans. (3)

On the whole the test can be rated as an easy one. As was already desired by the institute - NMIMS, only students who obtain a score of 105 + will be provided a call. For a test like the one mentioned, we will say this was a achievable target.

The above mentioned are the only questions, which we were able to collect from our students. We would be glad to add any more questions which you can provide to us.

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