

# Management Aptitude Test

## May 2007

**Directions (Q. 1-20): Answer the question independent of each other.**

- In a certain code ROAD is written as URDG. How is SWAN written in that code?  
1) UXDQ                      2) VZDQ  
3) VXDQ                      4) VZCQ
- Which of the following will come in place of the question mark(?) in the following sequence?  
6C7, 8F10, 11J14, 15O19, ?  
1) 25U20                      2) 20U25  
3) 20U24                      4) 19U25
- Ram walks 10m South from his house, turns left and walks 23 m, again turns left and walks 40 m, then turns right and walks 5 m to reach his school. In which direction is the school from his house?  
1) East                          2) North-East  
3) South-West                      4) North
- If table is called chair, chair is called cot, cot is called pot and pot is called filter, where does a person sit?  
1) pot                              2) cot  
3) chair                              4) filter
- Off-hand is related to PERFUNCTORY in the same way as Above Board is related to  
1) Guide                          2) Honesty  
3) Integrity                          4) Competition
- In a class of 35 students, Kiran is placed 7th from the bottom whereas Mohan is placed 9th from the top. Sohan is placed exactly in between Kiran and Mohan. What is Kiran's position from Sohan?  
1) 13th                              2) 11th  
3) 10th                              4) 9th
- If the second, third, fifth, eighth and ninth letters of the word CONTEMPLATION are combined to form a meaningful word, what will be the middle letter of the word? If more than one such word can be formed, your answer is X and if no such words can be formed your answer is Y.  
1) A                                  2) O  
3) X                                  4) Y
- Painting to a photograph Arun said, 'She is the mother of my brother's son's wife's daughter.' How is Arun related to the lady?  
1) Uncle                          2) Daughter-in-law  
3) Cousin                          4) None of these
- Which one is different from the remaining three?  
1) GIJK                          2) DFGH  
3) CEFG                          4) ABCD
- ABCD is related to OPQR in the same way as WXYZ is related to  
1) EFGH                          2) STUV  
3) KLMN                          4) QRST
- The letters skipped between adjacent letters is in the order of 1, 2, 3, 4 .... Which alternative follows this rule?  
1) DEIMR                          2) DFINR  
3) DFIMR                          4) DFIMS
- A boy goes to see a film and finds a man who is his relative. The man is the husband of the sister of his mother. How is the man related to the boy?  
1) Brother                          2) Nephew  
3) Uncle                              4) None of these
- I am facing west. I turn 45° in the clockwise direction and then 180° in the same direction and then 270° anticlockwise. Which direction am I facing now?  
1) South-West                      2) South  
3) West                              4) North-West
- In a month of 31 days, the third Wednesday falls on the 15th. What will be the last day of that month?  
1) Fifth Thursday                      2) Fifth Wednesday  
3) Fourth Sunday                      4) Fifth Friday
- When Ranjeev was born his father was 32 years older than his brother and his mother was 25 years older than his sister. If Ranjeev's brother is 6 years older than Ranjeev and his mother is 3 years younger than his father, how old was Ranjeev's sister when he was born?  
1) 15 years                          2) 14 years  
3) 7 years                              4) 10 years
- In a party everyone gave a gift to everyone else. If the total number of gifts exchanged in the party was 600 how many persons were there in the party?  
1) 20                                  2) 15  
3) 10                                  4) 25
- After a get-together every person present shakes the hand of every other person. If there were 105 hand-shakes in all, how many persons were present in the party?  
1) 15                                  2) 14  
3) 13                                  4) 16
- Four friends were playing a game of cards sitting in a circle. Shankar was on the right of Ram and Gopal was on the left of Arvind. Which of the following pairs were partners?  
1) Ram and Shankar                      2) Gopal and Shankar  
3) Ram and Arvind                      4) Gopal and Ram
- Four girls (G1, G2, G3, G4) and three boys (B1, B2, B3) are to sit for a dinner such that no two boys

- should sit together nor two girls. If they are successively sitting, what is the position of B2 and G3?
- 1) 5th and 6th                      2) 4th and 5th  
3) 3rd and 4th                      4) 2nd and 3rd
20. There are 30 plants of Chiku, Guava, Sitalaf and Mango in a row. There is one pair of Mango plants after Chiku and Guava and Mango plants are followed by one Chiku and one Sitalaf plant and so on. If the row begins with a plant of Chiku, then which of the following will be the last in the row?
- 1) Guava                              2) Mango  
3) Chiku                              4) Sitalaf
21. The angles of elevation of the top of a tower, from the top and the foot of a pole of height 10 m, are  $30^\circ$  and  $60^\circ$  respectively. The height of the tower is
- 1) 20 m                                2) 15 m  
3) 10 m                                4) None of these
22. A person standing on the bank of a river finds that the angle of elevation of the top of a tower on the opposite bank is  $45^\circ$ . Then which of the following statements is correct?
- 1) The breadth of the river is half of the height of the tower.  
2) The breadth of the river and the height of the tower are the same.  
3) The breadth of the river is twice the height of the tower.  
4) None of these
23. A person standing on the bank of a river observes that the angle of elevation of the top of a tree on the opposite bank of the river is  $60^\circ$  and when he retires 40 metres away from the tree the angle of elevation becomes  $30^\circ$ . The breadth of the river is
- 1) 20 m                                2) 30 m  
3) 40 m                                4) 60 m
24. A class consists of 100 students; 25 of them are girls and 75 boys; 20 of them are rich and the remaining poor; 40 of them are fair-complexioned. The probability of selecting a fair-complexioned rich girl is
- 1) 0.05                                2) 0.04  
3) 0.02                                4) 0.08
25. A box contains 5 brown and 4 white socks. A man takes out two socks. The probability that they are of the same colour is
- 1)  $\frac{5}{18}$                                     2)  $\frac{1}{6}$   
3)  $\frac{5}{108}$                                 4)  $\frac{4}{9}$
26. India plays two matches each with West Indies and Australia. In any match the probabilities of India getting points 0, 1 and 2 are 0.45, 0.05 and 0.50 respectively. Assuming that the outcomes are independent, the probability of India getting at least 7 points is
- 1) 0.0624                              2) 0.0875
- 3) 0.8750                              4) 0.0250
27. Out of 13 applications for a job, there are 5 women and 8 men. It is desired to select 2 persons for the job. The probability that at least one of the selected persons will be a woman is
- 1)  $\frac{5}{13}$                                   2)  $\frac{14}{39}$                                   3)  $\frac{25}{39}$                                   4)  $\frac{10}{13}$
28. At a college entrance examination each candidate is admitted or rejected according to whether he has passed or failed the tests. Of the candidates who are really capable, 80% pass the tests and of the incapable, 25% pass the tests. Given that 40% of the candidates are really capable, then the proportion of capable college students is about
- 1) 73%                                2) 70%  
3) 68%                                4) 75%
29. In an examination, there were 2000 candidates, out of which 900 candidates were boys and the rest were girls. If 32% of the boys and 38% of the girls passed, then the total percentage of failed candidates is
- 1) 68.5%                              2) 64.7%  
3) 35.3%                              4) 70%
30. From the salary of an officer, 10% is deducted as house rent, 15% of the rest he spends on children's education and 10% of the balance he spends on clothes. After this expenditure he is left with Rs 1377. His salary is
- 1) Rs 2100                              2) Rs 2040  
3) Rs 2000                              4) Rs 2200
31. If the price of gold increases by 30%, find by how much the quantity of ornaments must be reduced so that the expenditure may remain the same as before.
- 1) 30%                                2)  $23\frac{1}{13}\%$   
3)  $27\frac{2}{13}\%$                               4) 19%
32. A monthly return railway ticket costs 25 per cent more than a single ticket. A week's extension can be had for the former by paying 5 per cent of the monthly ticket's cost. If the money paid for the monthly ticket (with extension) is Rs 84, the price of the single ticket is
- 1) Rs 64                                2) Rs 80  
3) Rs 48                                4) Rs 72
33. A papaya tree was planted 2 years ago. It increases at the rate of 20% every year. If at present, the height of the tree is 540 cm, what was it when the tree was planted?
- 1) 400 cm                              2) 375 cm  
3) 324 cm                              4) 432 cm
34. A mixture of 40 litres of milk and water contains 10% water. How much water should be added to this so that water may be 20% in the new mixture?
- 1) 6.5 litres                            2) 5.5 litres  
3) 4 litres                              4) 5 litres

35. The amount of water (in ml) that should be added to reduce 9 ml lotion, containing 50% alcohol, to a lotion containing 30% alcohol, is  
 1) 5 ml                      2) 4 ml  
 3) 3 ml                      4) 6 ml
36. The average of marks obtained by 120 candidates was 35. If the average of the passed candidates was 39 and that of the failed candidates was 15, then the number of those candidates who passed the examination, was  
 1) 120    2) 110    3) 100    4) 150
37. Angad was conducting an experiment in which the average of 11 observations came to be 90, while the average of first five observations was 87, and that of the last five was 84. What is the measure of the 6th observation?  
 1) 145    2) 150    3) 165    4) 135
38. The average age of an adult class is 40 years. 12 new students with an average age of 32 years join the class, thereby decreasing the average by 4 years. The original strength of the class was  
 1) 12    2) 11    3) 10    4) 15
39. The average age of 8 persons in a committee is increased by 2 years when two men aged 35 years and 45 years are substituted by two women. The average age of these two women is  
 1) 52 years                      2) 56 years  
 3) 48 years                      4) 44 years
40. At Narmada Sarovar Bachao (NSB) demonstration, supporters of Ms Patkar outnumbered the police by 9 : 1. The police arrested 135 NSB supporters averaging 5 for every 3 policemen. How many supporters of NSB were there in the demonstration?  
 1) 1215                      2) 665  
 3) 405                      4) None of the above

**Directions (Q. 41-44): Study the following information to answer these questions.**

A blacksmith has five iron articles A, B, C, D and E, each having a different weight.

- (i) A weighs twice as much as B.  
 (ii) B weighs four-and-a-half times as much as C.  
 (iii) C weighs half as much as D.  
 (iv) D weighs half as much as E.  
 (v) E weighs less than A but more than C.
41. Which of the following is the lightest in weight?  
 1) C                      2) B  
 3) A                      4) D
42. E is lighter in weight than which of the other two articles?  
 1) A, C                      2) D, C  
 3) A, B                      4) D, B
43. E is heavier than which of the following two articles?  
 1) A, C                      2) D, C  
 3) D, B                      4) A, B
44. Which of the following articles is the heaviest in weight?  
 1) C                      2) B  
 3) A                      4) D

**Directions (Q. 45-48): Given below are pairs of events I and II. Read both the events and decide the relationship. Assume that the information given is true in deciding the answer. Mark answer as**

- 1) if I is an effect but II is not its immediate and principal cause.  
 2) if I is the immediate and principal cause and II is its effect.  
 3) if I is an effect and II is its immediate and principal cause.  
 4) if II is an effect but I is not its immediate and principal cause.
45. **Event (I):** The price of gold has gone up in the local market.  
**Event (II):** Indians have won several prizes in designing gold ornaments.
46. **Event (I):** Today, the prime ministers of countries P and Q have decided to take steps to improve bilateral relations.  
**Event (II):** Next week a committee of foreign ministers and senior officers of country P and Q will work out further steps to improve the relationship.
47. **Event (I):** Recently the prices of the personal computers (PCs) have come down.  
**Event (II):** Some school-children are showing keen interest in learning computers.
48. **Event (I):** This year Bank M has celebrated its silver jubilee.  
**Event (II):** More customers are getting attracted to the market branch of Bank M.

**Directions (Q. 49-52): A situation and the outcome are presented. Four statements follow thereafter. Each statement is to be separately evaluated in relation to the situation and outcome. Mark answer as**

- 1) if the statement is deducible from the situation, the outcome or both together.  
 2) if the statement presents a possible adequate explanation of the outcome.  
 3) if the statement is inconsistent with, or contradicts, the situation, the outcome, or both together.  
 4) if the statement does not support a possible explanation of the outcome.

**Situation:** Abhijit Roy is training for a national swimming meet. His event is 800m freestyle. In winning the last five races, his time has never exceeded 8 minutes. His practice performances, in which he studiously attempts to duplicate all actual racing conditions, have been better. He is a strong favourite among local sportswriters to win the meet, and his coach Prabhu Dayal predicts that he will win in record time. Speed Swimming Gear, in the hope of capitalising on his upcoming victory, has persuaded Roy to be photographed with their goggles, which he always wears in competition.

**Outcome:** Roy clocks his worst time ever and fin-

ishes fourth.

49. The Speed Swimming Gear company was confident that Roy would win the race.
50. Roy's coach had cautioned him not to expect to do as well as he had in past races.
51. After the race, several swimmers complained about the high chlorine content of the water in the pool.
52. It was revealed after the race that the national swimming meet was fixed.

**Directions (Q. 53-56): Each question has a statement followed by two assumptions / conclusions. Find the implicit assumption(s) / conclusion(s).**

53. **Statement:** A good system of education in a country is the flower of economic development; it is also its seed.

**Assumptions:**

- I. Economic development leads to educational development in a country.
- II. Educational development leads to economic development in a country.

- 1) Both I and II are implicit  
2) Only II is implicit  
3) Only I is implicit  
4) Neither I nor II is implicit

54. **Statement:** There is one thing as important as studying; and that is how much is understood.

**Assumptions:**

- I. Studying and understanding go hand in hand.
- II. Understanding is as important as studying.

- 1) Both I and II are implicit  
2) Only II is implicit  
3) Only I is implicit  
4) Neither I nor II is implicit

55. **Statement:** All birds are dogs and some dogs are cats.

**Conclusions:**

- I. Some cats are not dogs.
- II. All dogs are not birds.
- 1) Both I and II are implicit  
2) Only II is implicit  
3) Only I is implicit  
4) Neither I nor II is implicit

56. **Statement:** There are many Indians who are honest. Mohan is an Indian.

**Conclusions:**

- I. Mohan is honest.
- II. Mohan is not honest.
- 1) Both I and II are implicit  
2) Only II is implicit  
3) Only I is implicit  
4) Neither I nor II is implicit

**Directions (Q. 57-60): Attempt these questions based on the information given against each.**

57. In order to qualify in an examination having 6 subjects, a student has to get at least 50% and above marks separately in any 4 subjects and 35% and above in each of the 6 subjects.

*If a total of 25% candidates have qualified in the examination, then which of the following is definitely true?*

- 1) 50% of the students got 50% and above in 4 subjects but only half of them could get 35% and above in all the subjects.
  - 2) 75% of the students could not get at least 35% marks in all the 6 subjects taken together.
  - 3) 25% of the students have secured 50% and above in all the 6 subjects.
  - 4) At least 25% of the students could get at least 35% and above marks in each of the subjects.
58. "Cases of food-poisoning have been reported from village X. After a dinner party arranged for 100 people, 68 were admitted to the hospital, and 36 were reported to be out of danger. The food, which was cooked and stored in an open space for almost 12 hours, was served after reheating. Investigation is going on." — A news report
- Which of the following can be hypothesised from the above information?*

- 1) Cases of food-poisoning need to be handled carefully.
  - 2) Stale food is likely to be the cause of food-poisoning.
  - 3) Late-night dinner parties for a large number of people result in food-poisoning.
  - 4) Cases of food-poisoning are not reported in urban dinner parties.
59. "If you want a hassle-free holiday package for city M, then join only our tour. Hurry up; only 6 seats available" — An advertisement of XYZ Tourist Company

*If the above statement is true then which of the following has been assumed while making the statement?*

- 1) No seats may be available with other tour operators for city M.
  - 2) Nowadays people have a lot of money to spend on their comforts.
  - 3) Travel packages offered by other tour operators are neither cheap nor comfortable.
  - 4) Many people desire convenience and comfort while going for a holiday.
60. The State Government's agency 'Housewell' has constructed 500 flats for the middle class but in spite of a shortage of houses, it has not even received 100 applications.
- Which of the following, if true, could explain this?*
- 1) A private builder's scheme which has come up on the adjacent plot is overbooked in spite of higher cost and 100% advance payment.
  - 2) The flats are not accessible either by bus or by train.
  - 3) The quality of construction of 'Housewell' is reported to be very poor.
  - 4) The cost and conditions of payment are quite demanding and are slightly higher than the usual government housing schemes.

61. What is 'Super 301'?
- 1) A French news channel
  - 2) An American trade law
  - 3) A British anti-aircraft missile
  - 4) None of these
62. Who finally approves the draft five-year plans?
- 1) President
  - 2) Planning Commission
  - 3) Prime Minister
  - 4) National Development Council
63. Which is India's largest private sector bank?
- 1) UTI Bank
  - 2) ICICI Bank
  - 3) HDFC Bank
  - 4) IDBI Bank
64. According to the UNCTAD report, India has acquired the \_\_\_\_\_ place in the world, for receiving the largest FDI in 2006.
- 1) Fourth
  - 2) Third
  - 3) Second
  - 4) Fifth
65. For attaining 9% growth rate during 11th Plan, investment level has been estimated to be
- 1) 30% of GDP
  - 2) 25% of GDP
  - 3) 20% of GDP
  - 4) 35% of GDP
66. Central Government has declared 2007 as
- 1) Water year
  - 2) Sanitation year
  - 3) Poverty Alleviation year
  - 4) None of these
67. 'Aero India 2007' was organised during February 2007 at
- 1) Kolkata
  - 2) New Delhi
  - 3) Mumbai
  - 4) Bangalore
68. 2007 is being celebrated as 'Friendship year' between India and
- 1) Nepal
  - 2) China
  - 3) Japan
  - 4) Russia
69. RBI holds \_\_\_\_\_ equity in National Housing Bank.
- 1) 75%
  - 2) 60%
  - 3) 50%
  - 4) 100%
70. The National Stock Exchange functions from
- 1) New Delhi
  - 2) Kolkata
  - 3) Mumbai
  - 4) Chennai
71. What is the purpose of the India Brand Equity Fund?
- 1) To organise trade fairs
  - 2) To promote in-bound tourism
  - 3) To make 'Made in India' a label of quality
  - 4) To provide venture capital to IT sector
72. On the basis of the size and composition of external debt, World Bank has classified India as a
- 1) heavily indebted country
  - 2) moderately indebted country
  - 3) less indebted country
  - 4) severely indebted country
73. The Planning Commission of India is
- 1) a constitutional body
  - 2) an advisory body
  - 3) a statutory body
  - 4) an independent and autonomous body
74. What is the percentage of India's population with respect to the World population?
- 1) 26 per cent
  - 2) 16 per cent
  - 3) 6 per cent
  - 4) 36 per cent
75. The novel which is not the work of Orhan Pamuk, the 2006 Nobel laureate in Literature, is
- 1) Kar (Snow)
  - 2) Istanbul Memories
  - 3) Kara Kitap (The Black Book)
  - 4) Hullabaloo in the Guava Orchard
76. The Chairman of the National Development Council (NDC) is the
- 1) Minister of Information Technology
  - 2) Finance Minister
  - 3) Prime Minister
  - 4) Speaker of Lok Sabha
77. The three core values of the Commonwealth Games movement are
- 1) Equality, Brotherhood and Unity
  - 2) Humanity, Equality and Destiny
  - 3) Humanity, Equality and Brotherhood
  - 4) Unity, Humanity and Equality
78. Internet was developed upon which among the following operating systems?
- 1) LINUX
  - 2) UNIX
  - 3) Windows 98
  - 4) Sun Solaris
79. Which among the following matches is incorrect?
- 1) World Health Organisation (WHO) — Washington
  - 2) Food and Agriculture Organisation (FAO) — Rome
  - 3) International Telecommunication Union (ITU) — Geneva
  - 4) United Nations International Children's Emergency Fund (UNICEF) — New York
80. The Secretary General of the United Nations is
- 1) Ban Ki-Moon
  - 2) Kofi Annan
  - 3) Boutros Boutros-Ghali
  - 4) None of these

**Directions (Q. 81-100): Answer these questions based on the passages.**

**Passage I**

The Indian steel industry, in line with global trends, is at a crossroads, witnessing a resurgent phase of modernization, expansion and consolidation, mainly through mergers and acquisitions. A sector that was moribund just about five years ago because of a worldwide slump in steel prices, the industry has turned the corner and has in fact been vibrant over the past two years. Domestic steel companies, both public and private, are surging ahead on the strength of an unprecedented buoyancy in the economy and the resultant boom in real estate and various infrastructure sectors such as roads and highways, ports and airports. The official figures speak for themselves. Powered by an increased demand for steel from neighbouring China, which has been clocking a 15 per cent sectoral growth annually on account of construc-