

**JAWAHAR NAVODAYA VIDYALAYA**

Selection Test (JNVST) · Class 6 Entrance

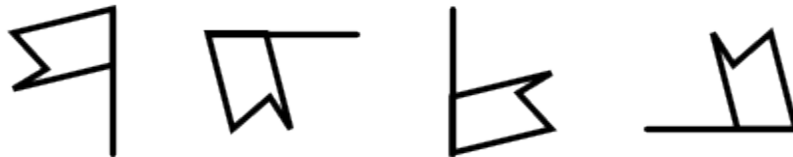
Practice Set 08

Session 2026–27

INSPIRE · INNOVATE · EXCEL

Time: 2 Hours**Questions:** 80**Max. Marks:** 100**Name:** _____**Roll No.:** _____**Date:** _____

General Instructions: 1. There are three sections — Mental Ability (40), Arithmetic (20) and Language (20); all questions are compulsory. 2. Each question carries equal marks and there is no negative marking. 3. Every question has four options (A)-(D); choose the one best answer and mark it on the OMR sheet provided. 4. Use of a calculator is not allowed. The OMR sheet and Answer Key are at the end of the booklet.

SECTION I — Mental Ability Test (40)*Study each figure carefully and choose the correct option.***1. Which figure completes the series?**

(A)



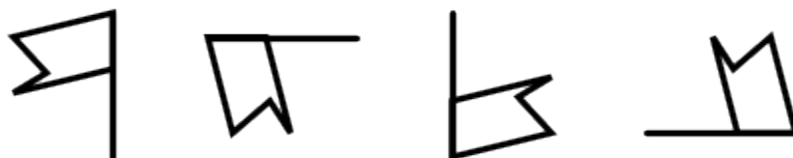
(B)



(C)



(D)

2. Which figure completes the series?

(A)



(B)

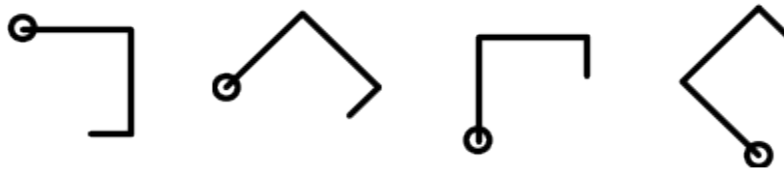


(C)



(D)

3. Which figure completes the series?



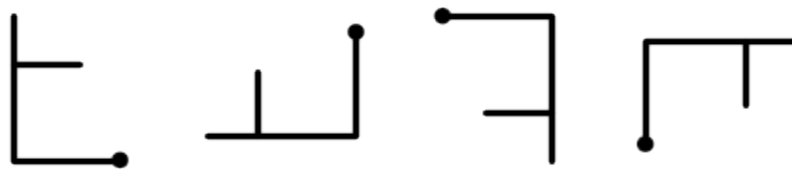
(A)

(B)

(C)

(D)

4. Which figure completes the series?



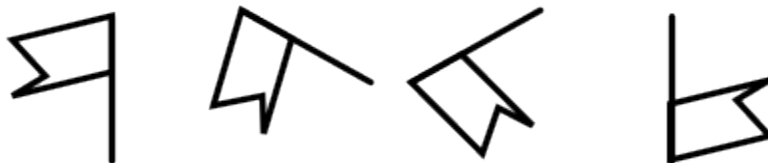
(A)

(B)

(C)

(D)

5. Which figure completes the series?



(A)

(B)

(C)

(D)

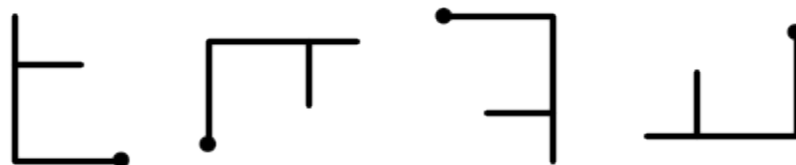
6. Which figure completes the series?



7. Which figure completes the series?



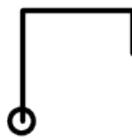
8. Which figure completes the series?



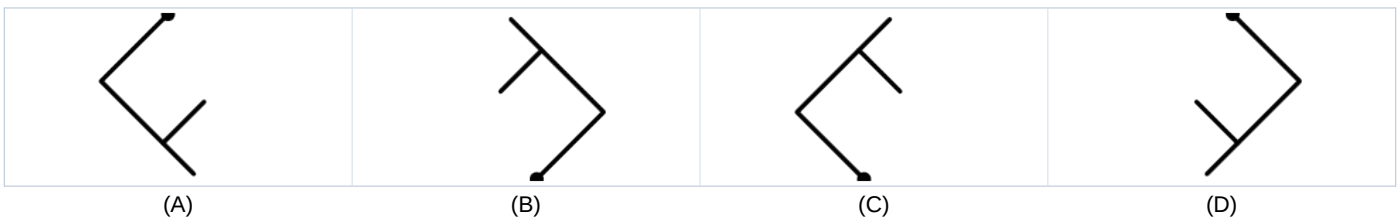
9. Choose the correct mirror image (mirror on the right).



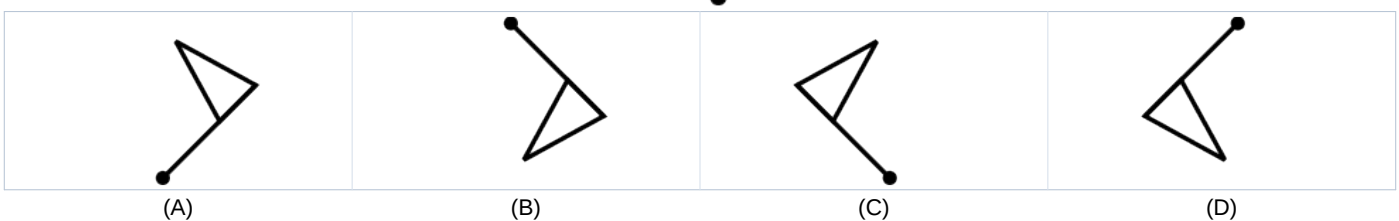
10. Choose the correct mirror image (mirror on the right).



11. Choose the correct mirror image (mirror on the right).



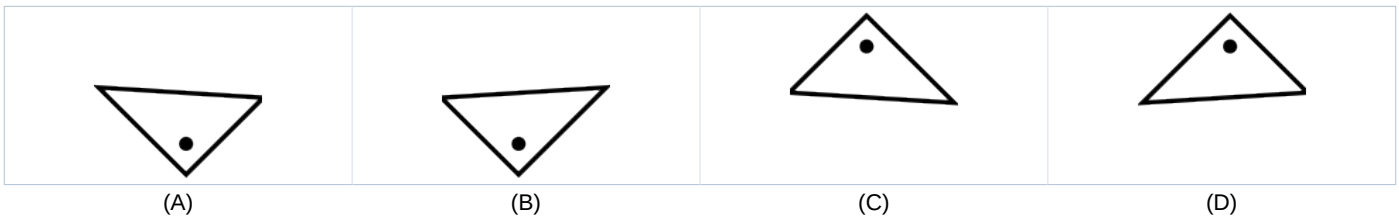
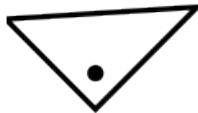
12. Choose the correct mirror image (mirror on the right).



13. Choose the correct mirror image (mirror on the right).



14. Choose the correct mirror image (mirror on the right).



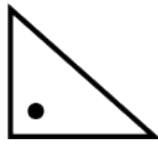
15. Choose the correct mirror image (mirror on the right).



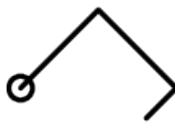
16. Choose the correct water image (water surface below).



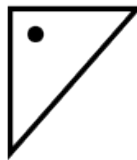
17. Choose the correct water image (water surface below).



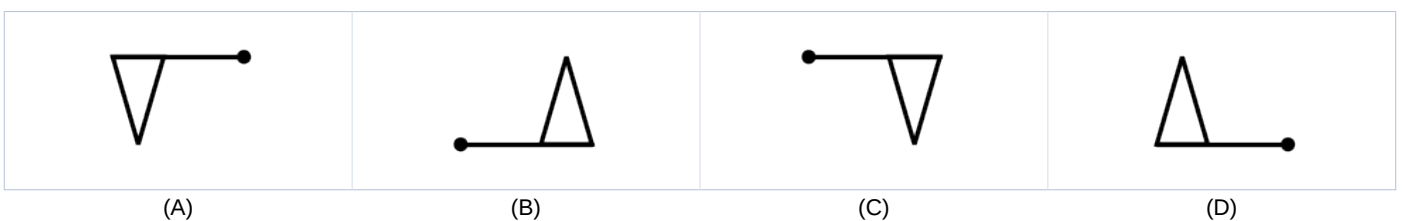
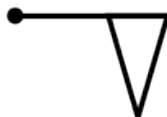
18. Choose the correct water image (water surface below).



19. Choose the correct water image (water surface below).



20. Choose the correct water image (water surface below).



21. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



22. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



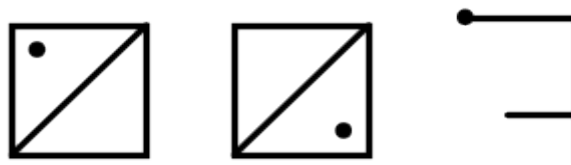
23. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



24. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



25. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



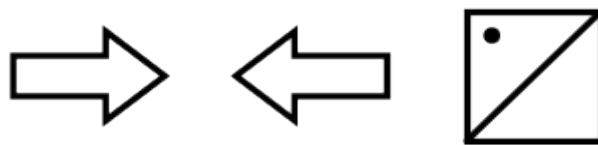
26. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



27. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



28. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



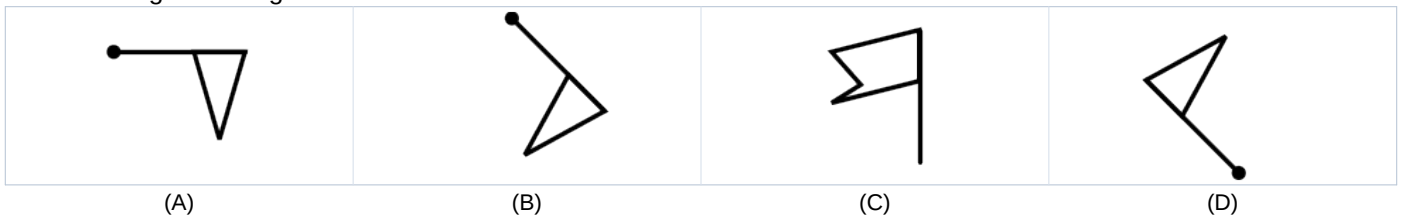
29. Four figures are given. Find the one that is different from the other three.



30. Four figures are given. Find the one that is different from the other three.



31. Four figures are given. Find the one that is different from the other three.



32. Four figures are given. Find the one that is different from the other three.



33. Four figures are given. Find the one that is different from the other three.



34. Four figures are given. Find the one that is different from the other three.



35. Four figures are given. Find the one that is different from the other three.

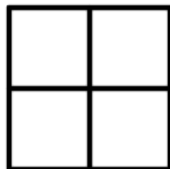


36. How many triangles are there in the figure?



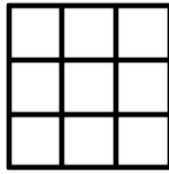
- | | |
|-------|-------|
| (A) 1 | (B) 2 |
| (C) 4 | (D) 3 |

37. How many rectangles (including the biggest one) are there in the figure?



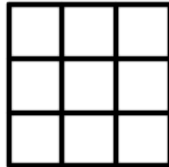
- | | |
|--------|--------|
| (A) 10 | (B) 9 |
| (C) 8 | (D) 11 |

38. How many squares are there in the figure?



- (A) 14 (B) 16
(C) 13 (D) 12

39. How many rectangles (including the biggest one) are there in the figure?



- (A) 35 (B) 36
(C) 34 (D) 37

40. How many triangles are there in the figure?



- (A) 11 (B) 8
(C) 9 (D) 10

SECTION II — Arithmetic Test (20)

Solve each problem and choose the correct option. Calculators are not allowed.

41. 3 bells ring at intervals of 4, 6, 8 seconds respectively. If they all ring together at 12:00:00 noon, at what time will they next ring together?

- (A) 12:01:24 p.m. (B) 12:00:30 p.m.
(C) 12:00:20 p.m. (D) 12:00:24 p.m.

42. A club has 90 members. Two-thirds of them are males and the rest are females. Except 18 females, all the other members are married. How many married females are there in the club?

- (A) 12 (B) 15
(C) 10 (D) 11

43. A 150 m long train is running at 36 km/h. How long will it take to cross a platform 180 m long?

- (A) 30 seconds (B) 43 seconds
(C) 33 seconds (D) 36 seconds

44. A 150 m long train takes 12 seconds to cross a platform of the same length as the train. What is the speed of the train?

- (A) 25 m/s (B) 23 m/s
(C) 27 m/s (D) 30 m/s

45. Raj and Prem start from the same point and travel in opposite directions at 6 km/h and 4 km/h respectively. How far apart will they be after 3 hours?

- (A) 36 km (B) 30 km
(C) 2 km2 km2 km (D) 32 km



46. Find the greatest number that divides 1535 and 1495 leaving remainders 5 and 1 respectively.
- (A) 12 (B) 14
(C) 18 (D) 24
47. In an examination, Rohan obtained 15 marks more than Suresh. Gaurav obtained 8 marks less than Suresh. If the total marks obtained by them is 112, how many marks did Rohan obtain?
- (A) 50 (B) 47
(C) 52 (D) 56
48. How many distinct prime factors does 5005 have?
- (A) 6 (B) 3
(C) 4 (D) 5
49. Simplify: $(19\frac{1}{2} - 15\frac{1}{2}) \div (\frac{3}{4} \text{ of } \frac{2}{3}) + 3 = ?$
- (A) 11 (B) $10\frac{3}{4}$
(C) $11\frac{1}{3}$ (D) 12
50. Arrange in ascending order: $\frac{4}{5}, \frac{3}{4}, \frac{9}{4}$
- (A) $\frac{3}{4}, \frac{4}{5}, \frac{9}{4}$ (B) $\frac{4}{5}, \frac{3}{4}, \frac{9}{4}$
(C) $\frac{9}{4}, \frac{4}{5}, \frac{3}{4}$ (D) $\frac{9}{4}, \frac{3}{4}, \frac{4}{5}$
51. The sum of 3.1, 0.47 and 1.028 is:
- (A) 4.618 (B) 4.698
(C) 4.598 (D) 4.588
52. 864744 rounded to the nearest thousand is:
- (A) 864000 (B) 865000
(C) 865100 (D) 866000
53. In the number 15532, the digits 1 and 5 are interchanged. Find the difference between the original and the new number.
- (A) 36004 (B) 35990
(C) 36000 (D) 35998
54. 104°F expressed on the Celsius scale is:
- (A) 41.0°C (B) 43.7°C
(C) 38.0°C (D) 40°C
55. What is the sum of all the prime numbers between 10 and 22?
- (A) 95 (B) 60
(C) 65 (D) 74
56. A student obtained an average of 80% in 4 subjects. If he scored 65%, 82% and 84% in three subjects, what did he score in the fourth subject?
- (A) 92% (B) 89%
(C) 87% (D) 95%
57. 1 minute 48 seconds is what percent of 1 hour?
- (A) 5% (B) 3%
(C) 2% (D) 4%
58. A trader buys 6 tables at Rs 300 each and 6 chairs at Rs 240 each. He sells all these items at a flat rate of Rs 300 each. Find his overall profit or loss.
- (A) Rs 360 profit (B) Rs 480 profit
(C) Rs 360 loss (D) Rs 440 profit
59. The perimeter of a square is 188 m. What is its area?
- (A) 2209 m^2 (B) 2240 m^2
(C) 2178 m^2 (D) 2289 m^2



60. A pictograph shows apples sold over four days. Each symbol = 20 apples. The number of symbols for Monday, Tuesday, Wednesday, Thursday are 6, 6, 3 and 6 respectively. How many apples were sold in all four days?

- (A) 430 (B) 420
(C) 422 (D) 425

SECTION III — Language Test (20)

There are four passages. Read each passage and answer the five questions that follow.

Passage 1. An ant worked hard all summer, storing grain for the winter, while a grasshopper sang and played, laughing at the ant's toil. When the cold winter came, the grasshopper had no food and grew weak with hunger. It went to the ant to beg for help. The ant shared a little grain but reminded the grasshopper that it is wise to prepare in good times for the hard days ahead.

61. What did the ant do all summer?
(A) Travelled far (B) Slept all day
(C) Sang songs (D) Stored grain for winter
62. What did the grasshopper do in summer?
(A) Helped the ant (B) Sang and played
(C) Worked hard (D) Built a house
63. Why did the grasshopper suffer in winter?
(A) It had stored no food (B) It was lost
(C) It was ill (D) It was too cold to sing
64. What is the SYNONYM of 'toil'?
(A) Rest (B) Hard work
(C) Play (D) Sleep
65. What is the ANTONYM of 'wise'?
(A) Foolish (B) Clever
(C) Smart (D) Careful

Passage 2. Chhatrapati Shivaji Maharaj was born in 1630 and became one of India's greatest warrior kings. A member of the Bhonsle Maratha clan, he built a strong and progressive kingdom with a well-run administration and a powerful navy. He was known for his courage, his fair rule, and his respect for people of all faiths. He revived Indian traditions and encouraged the use of the Marathi and Sanskrit languages in his court.

66. In which year was Shivaji born?
(A) 1650 (B) 1530
(C) 1630 (D) 1730
67. Shivaji built a powerful:
(A) Railway (B) Navy
(C) Factory (D) Airforce
68. Which languages did he encourage in his court?
(A) Persian and Urdu (B) Tamil and Telugu
(C) Marathi and Sanskrit (D) Hindi and English
69. What is the SYNONYM of 'courage'?
(A) Doubt (B) Weakness
(C) Fear (D) Bravery
70. What is the ANTONYM of 'fair'?
(A) Unjust (B) Just
(C) Honest (D) Equal



Passage 3. The Taj Mahal at Agra is one of the most famous monuments in the world. It was built in white marble by the Mughal emperor Shah Jahan in memory of his beloved queen, Mumtaz Mahal. Thousands of workers laboured for many years to complete it. Its shining dome and graceful gardens attract millions of visitors, and it is counted among the wonders of the world.

71. The Taj Mahal was built by:

- | | |
|----------------|---------------|
| (A) Shah Jahan | (B) Aurangzeb |
| (C) Babur | (D) Akbar |

72. It was built in memory of:

- | | |
|----------------|------------------|
| (A) A saint | (B) Mumtaz Mahal |
| (C) His mother | (D) His daughter |

73. The Taj Mahal is made of:

- | | |
|-------------------|------------|
| (A) White marble | (B) Wood |
| (C) Red sandstone | (D) Bronze |

74. What is the SYNONYM of 'famous'?

- | | |
|----------------|-------------|
| (A) Well-known | (B) Hidden |
| (C) Small | (D) Unknown |

75. What is the ANTONYM of 'graceful'?

- | | |
|------------|-------------|
| (A) Smooth | (B) Elegant |
| (C) Lovely | (D) Clumsy |

Passage 4. Honeybees are among the most useful insects on earth. Living together in large colonies, they collect sweet nectar from flowers and turn it into honey. As they move from bloom to bloom, they carry pollen that helps plants make seeds and fruit. Without the busy work of bees, many of the fruits and vegetables we enjoy would be far harder to grow, so these tiny workers deserve our care.

76. Honeybees live together in large:

- | | |
|-----------------|--------------|
| (A) Burrows | (B) Caves |
| (C) Nests alone | (D) Colonies |

77. Bees turn nectar into:

- | | |
|-----------|------------|
| (A) Seeds | (B) Wax |
| (C) Honey | (D) Pollen |

78. How do bees help plants?

- | | |
|----------------------|------------------------|
| (A) By eating them | (B) By cutting them |
| (C) By watering them | (D) By carrying pollen |

79. What is the SYNONYM of 'useful'?

- | | |
|-------------|-------------|
| (A) Harmful | (B) Idle |
| (C) Useless | (D) Helpful |

80. What is the ANTONYM of 'busy'?

- | | |
|------------------|------------|
| (A) Idle | (B) Active |
| (C) Hard-working | (D) Quick |

**OMR ANSWER SHEET — Set 08**

Name : _____ Roll No. : _____ Darken one circle per question using a blue/black pen.

1 (A) (B) (C) (D)	21 (A) (B) (C) (D)	41 (A) (B) (C) (D)	61 (A) (B) (C) (D)
2 (A) (B) (C) (D)	22 (A) (B) (C) (D)	42 (A) (B) (C) (D)	62 (A) (B) (C) (D)
3 (A) (B) (C) (D)	23 (A) (B) (C) (D)	43 (A) (B) (C) (D)	63 (A) (B) (C) (D)
4 (A) (B) (C) (D)	24 (A) (B) (C) (D)	44 (A) (B) (C) (D)	64 (A) (B) (C) (D)
5 (A) (B) (C) (D)	25 (A) (B) (C) (D)	45 (A) (B) (C) (D)	65 (A) (B) (C) (D)
6 (A) (B) (C) (D)	26 (A) (B) (C) (D)	46 (A) (B) (C) (D)	66 (A) (B) (C) (D)
7 (A) (B) (C) (D)	27 (A) (B) (C) (D)	47 (A) (B) (C) (D)	67 (A) (B) (C) (D)
8 (A) (B) (C) (D)	28 (A) (B) (C) (D)	48 (A) (B) (C) (D)	68 (A) (B) (C) (D)
9 (A) (B) (C) (D)	29 (A) (B) (C) (D)	49 (A) (B) (C) (D)	69 (A) (B) (C) (D)
10 (A) (B) (C) (D)	30 (A) (B) (C) (D)	50 (A) (B) (C) (D)	70 (A) (B) (C) (D)
11 (A) (B) (C) (D)	31 (A) (B) (C) (D)	51 (A) (B) (C) (D)	71 (A) (B) (C) (D)
12 (A) (B) (C) (D)	32 (A) (B) (C) (D)	52 (A) (B) (C) (D)	72 (A) (B) (C) (D)
13 (A) (B) (C) (D)	33 (A) (B) (C) (D)	53 (A) (B) (C) (D)	73 (A) (B) (C) (D)
14 (A) (B) (C) (D)	34 (A) (B) (C) (D)	54 (A) (B) (C) (D)	74 (A) (B) (C) (D)
15 (A) (B) (C) (D)	35 (A) (B) (C) (D)	55 (A) (B) (C) (D)	75 (A) (B) (C) (D)
16 (A) (B) (C) (D)	36 (A) (B) (C) (D)	56 (A) (B) (C) (D)	76 (A) (B) (C) (D)
17 (A) (B) (C) (D)	37 (A) (B) (C) (D)	57 (A) (B) (C) (D)	77 (A) (B) (C) (D)
18 (A) (B) (C) (D)	38 (A) (B) (C) (D)	58 (A) (B) (C) (D)	78 (A) (B) (C) (D)
19 (A) (B) (C) (D)	39 (A) (B) (C) (D)	59 (A) (B) (C) (D)	79 (A) (B) (C) (D)
20 (A) (B) (C) (D)	40 (A) (B) (C) (D)	60 (A) (B) (C) (D)	80 (A) (B) (C) (D)

**ANSWER KEY — Set 08****Mental Ability (1–40)**

1. D	2. A	3. D	4. D	5. C	6. D	7. D	8. C	9. A	10. A
11. A	12. A	13. A	14. A	15. D	16. B	17. D	18. C	19. C	20. B
21. A	22. A	23. A	24. C	25. B	26. B	27. B	28. D	29. A	30. B
31. C	32. D	33. C	34. D	35. B	36. D	37. B	38. A	39. B	40. D

Arithmetic (41–60)

41. D	42. A	43. C	44. A	45. B	46. C	47. A	48. C	49. A	50. A
51. C	52. B	53. C	54. D	55. B	56. B	57. B	58. A	59. A	60. B

Language (61–80)

61. D	62. B	63. A	64. B	65. A	66. C	67. B	68. C	69. D	70. A
71. A	72. B	73. A	74. A	75. D	76. D	77. C	78. D	79. D	80. A