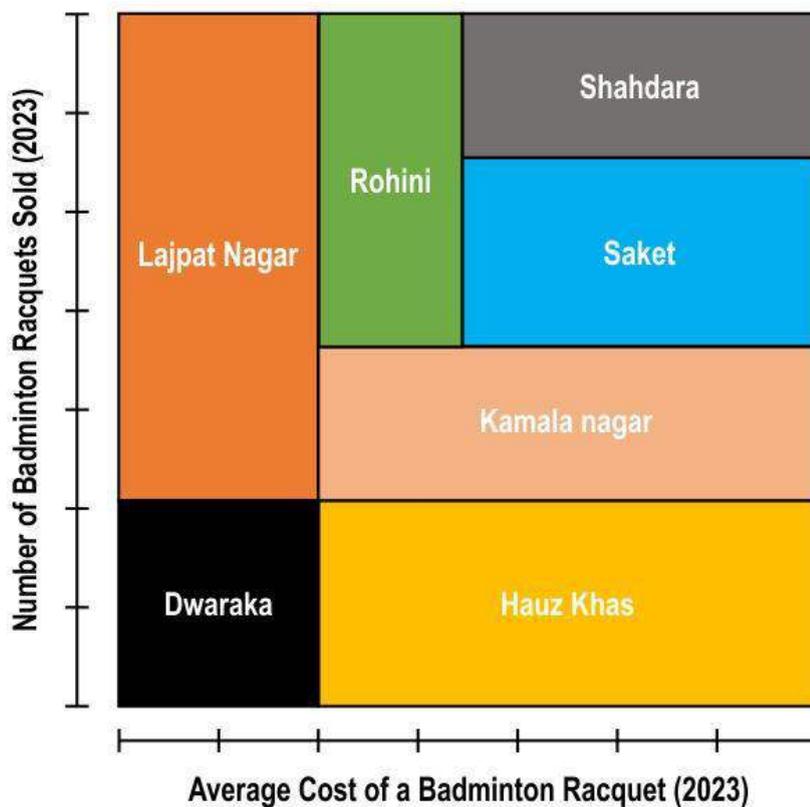# ASHOKA APTITUDE ASSESSMENT

SAMPLE QUESTIONS

Question 1:

Given below is the data regarding the sale of badminton racquets of a sporting goods store across its different branches in Delhi.

Which of the following statements CANNOT be inferred from the given data?
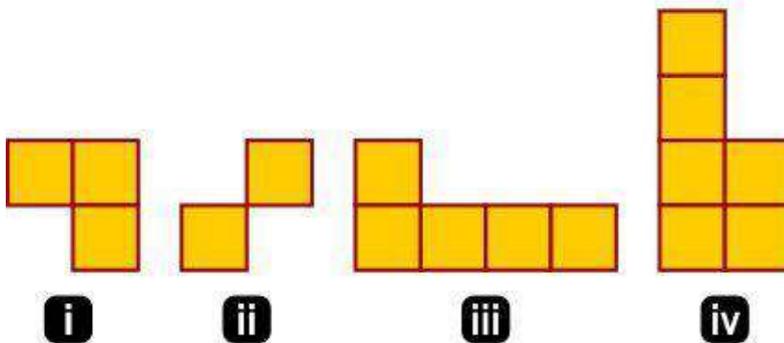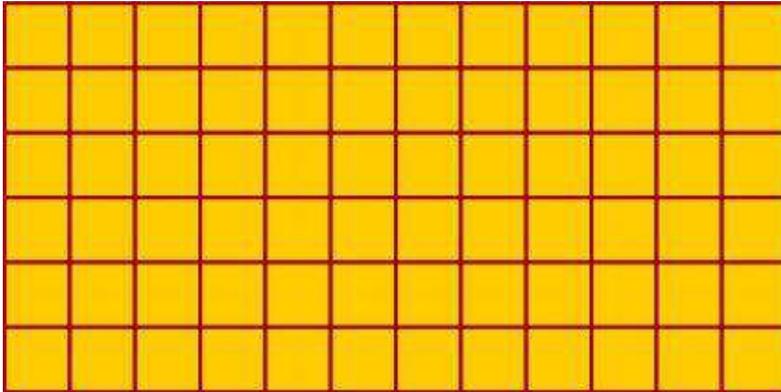
(Note: Revenue = Number of units sold × Average cost)

Option A: Revenue from sales of Badminton racquets at Saket is greater than that at Shahdara.

Option B: Revenue from sales of Badminton racquets at Lajpat Nagar is equal to that at Hauz Khas.

Option C: Revenue from sales of Badminton racquets at Hauz Khas is equal to that at Kamala Nagar.

Option D: Revenue from sales of Badminton racquets at Hauz Khas and Lajpat Nagar together is five times that of Dwarka.

Correct Answer: C

Question 2:

Given below is a 6 × 12 grid of squares.

Which of the given figures can be repeatedly used to fill the grid without any gaps?

Option A: only i) and ii)

Option B: only ii) and iv)

Option C: only i), ii) and iv)

Option D: only i), iii) and iv)

Correct Answer: C

Question 3:

If x ≠ 0, which of the following is DEFINITELY greater than x?

(i) 4x
(ii) x^4
(iii) (4 - x)

Option A: only i)

Option B: only ii)

Option C: only i) and ii)

Option D: none of (i), (ii) and (iii)

Correct Answer: D

Question 4:

Two drones, X and Y, are used to inspect all the solar panels on a large rooftop. Together, they can complete the inspection in 3 hours. Drone X is twice as fast as Drone Y.

If two drones with the same speed as Drone X were used, what would be the minimum time required to complete the inspection?

Option A: 1 hour

Option B: 2 hours

Option C: 2 hours 15 minutes

Option D: 2 hours 25 minutes

Correct Answer: C

Question 5:

A glass of juice costs Rs 30 to make. The juice seller replaces a fifth of the glass of juice with water and sells it for Rs 40.

If the cost of water used per glass is negligible, what is the approximate profit made by her on each glass?

Option A: 75%
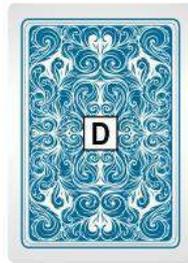
Option B: 67%

Option C: 53%

Option D: 33%

Correct Answer: B

Question 6:

In the 3 × 3 magic square, the sum of every row, column and diagonal is the same.

Nine playing cards from a suit of hearts, 2 of hearts to 10 of hearts, are arranged to form a magic square as shown below.

On flipping which card will 2 of hearts be found?

Option A: A

Option B: B

Option C: C

Option D: D

Correct Answer: B

Question 7:

In the multiplication problem shown below, each letter represents a unique digit.

```
      2 P
    × P 6
    ───────
    Q P P
    R 6 0
    ───────
  Q Q S P
```

Which of these is equal to R?

Option A: P + P

Option B: P × P

Option C: 2P + Q

Option D: 2P + S

Correct Answer: C

Question 8:

The introduction of personal computers into workplaces in the late 20th century vastly improved productivity in many industries. While computers automated certain administrative tasks, they also enhanced workers' ability to process information and made new types of jobs possible, such as software development and IT support. This transformation showcased how technology can enhance human capabilities, rather than simply replace workers.

Which of the following conclusions can best be drawn from the passage above?

Option A: The impact of technology on job creation is unpredictable and does not bring a net positive or negative effect.

Option B: Technological advances have often enhanced jobs and created new types of work in many industries.

Option C: Computers increased the need for human intervention in most industries by the late 20th century.

Option D: The digital revolution led to the elimination of most administrative or mechanical jobs.

Correct Answer: B

Question 9:

Given below is an excerpt from summary of a book taken from the *goodreads* website.

"*In* The Hidden Life of Trees, *Peter Wohlleben shares his deep love of woods and forests and explains the amazing processes of life, death, and regeneration he has observed in the woodland. Much like human families, tree parents live together with their children, communicate with them, and support them as they grow, sharing nutrients with those who are sick or struggling and creating an ecosystem that mitigates the impact of extremes of heat and cold for the whole group. As a result of such interactions, trees in a family or community are protected and can live to be very old.*"

Which of the following is a <u>LOGICAL EXTENSION</u> of the above argument?

Option A: Trees communicate with each other using human vocabulary and language.

Option B: Trees in forests suffer from social problems such as racism, casteism and political warfare.

Option C: Trees that receive love from humans and other animals live to be just as old as trees that are nourished by other trees.

Option D: Solitary trees, like kids who grow up without a community, have a tough time and in most cases die much earlier than those in a group.

Correct Answer: D

Question 10:

K-pop (Korean popular music) as the global phenomenon we know it to be wouldn't exist without a combination of democracy and television.

Which of the following historical statements, if true, strengthens the above argument the most?

Option A: The Constitution of Republic of Korea, adopted in 1948, guaranteed rights and freedoms for its citizens, and strongly curbs official censorship.

Option B: The history of K-pop has a definitive start date, thanks to a band called Seo Taiji and Boys who challenged the dominance of national TV networks.

Option C: After South Korea became democratic, broadcast networks in the country were expanded, giving citizens more choices in the media they consumed.

Option D: As of 1992, TV was common in 99 percent of South Korean homes, and viewership was highest on the weekends, when the talent shows took place.

Correct Answer: C

Question 11:

If a person claims that something is true, it is their responsibility to provide evidence in support of their assertion. It is incorrect to claim that something is true simply because

nobody else has proved it wrong. For example, someone might claim that ghosts exist, but does not prove it. Instead, they shift the burden of proof to others, by stating that anyone who disagrees should prove ghosts don't exist. This is called the Burden of Proof fallacy, and it makes the proponent's argument invalid.

Glossary-
assertion: a statement that one believes to be true, used as part of an argument

Which of the following statements is an example of the Burden of Proof fallacy?

Option A: Since none of you have been able to answer this question correctly on the test, I am going to assume that the concepts in this chapter are not clear to you.

Option B: The data for this quarter is not conclusive about whether our new marketing strategy has worked, so we should revert to our old ways.

Option C: The construction site behind my house is not safe, since nobody who has walked through it at night came through uninjured.

Option D: My brother claims that all of our family's land should pass onto to him, and has challenged me to provide one reason why it should not.

Correct Answer: D

Question 12:

While Alex was in the kitchen, a cat slipped into the house, grabbed a fish from the counter, and darted away. Alex was upset when he discovered what had happened. He asked three neighbors, who had witnessed the cat, to describe it. The neighbors were not eager to help and each made a statement with one truth and one lie. Here's what they said:

Neighbor 1: "The cat had orange fur and a long tail."

Neighbor 2: "The cat had a short tail and wore a collar."

Neighbor 3: "The cat had black fur and no collar."

Based on these statements, which of the following could be an accurate description of the cat?

Option A: The cat had black fur, short tail, and no collar.

Option B: The cat had black fur, long tail, and a collar.

Option C: The cat had orange fur, long tail, and a collar.

Option D: The cat had orange fur, long tail, and no collar.

Correct Answer: B