

Mock NBT AQL Paper 1

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Questions start on next page ->

Section 1: Comprehension

In the intricate tapestry of business and life, success often hinges on a delicate balance of strategy, resilience, and adaptability. Businesses are not merely entities driven by profit; they are reflections of human endeavor, shaped by values, decisions, and the dynamic interplay of internal and external forces.

In the realm of business, strategic planning stands as a cornerstone. Just as a skilled chess player anticipates moves ahead, successful entrepreneurs meticulously chart their course, foreseeing challenges and opportunities alike. Yet, in this ever-changing landscape, adaptability reigns supreme. The ability to pivot swiftly in response to market shifts or unforeseen obstacles can mean the difference between flourishing and floundering.

Moreover, the essence of business transcends mere transactions; it embodies relationships. Whether with customers, employees, or stakeholders, cultivating trust and fostering meaningful connections is paramount. In a world inundated with choices, consumers gravitate toward authenticity and integrity, often distinguishing successful enterprises from their counterparts.

However, the pursuit of success is not devoid of setbacks. Adversity, rather than a deterrent, serves as a catalyst for growth. Resilience, the capacity to endure and evolve in the face of adversity, separates the triumphant from the defeated. Each setback becomes an opportunity for introspection, refinement, and ultimately, renewal.

Beyond the confines of boardrooms and bottom lines, parallels between business and life abound. Just as in business, individuals navigate a labyrinth of choices, setbacks, and triumphs. The same principles of strategy, adaptability, and resilience apply, transcending domains to shape not only successful enterprises but also fulfilled lives.

1.1 What is the primary focus of strategic planning in business?

- a) Short-term profit maximization
- b) Anticipating challenges and opportunities
- c) Minimizing employee turnover
- d) Expanding market share

1.2 According to the comprehension, what role does adaptability play in business success?

- a) It is irrelevant to success
- b) It ensures long-term stability
- c) It enables swift responses to changes
- d) It increases overhead costs

1.3 What is emphasized as crucial for businesses in building relationships?

- a) Cutting costs
- b) Authenticity and integrity
- c) Aggressive marketing
- d) Exploiting consumer ignorance

1.4 What does resilience refer to in the context of the comprehension?

- a) Enduring and evolving in adversity
- b) Avoiding challenges
- c) Maintaining stagnancy
- d) Pursuing short-term gains

1.5 How are business principles applicable beyond the realm of business, according to the comprehension?

- a) They are not applicable to other domains
- b) They only apply to personal finances
- c) They shape both successful enterprises and fulfilled lives
- d) They are only relevant to large corporations

1.6 According to the comprehension, what does the phrase "delicate balance" imply?

- a) The need for aggressive competition
- b) The importance of maintaining harmony
- c) The requirement for excessive spending
- d) The insignificance of strategic planning

1.7 In the context of the comprehension, what does the term "tapestry" metaphorically represent?

- a) A simple structure
- b) A single thread
- c) A fragmented business model
- d) A complex and interconnected whole

1.8 What is the significance of "adaptability" in the comprehension?

- a) It underscores the need for flexibility
- b) It emphasizes rigid adherence to plans
- c) It promotes resistance to change
- d) It encourages isolation from market dynamics

1.9 What is a synonym for the word 'adversity'?

- a) Conviction
- b) Misfortune
- c) Vigour
- d) Serendipity

1.10 What does the comprehension suggest about the importance of relationships in business?

- a) They are irrelevant to success
- b) They are only important for small businesses
- c) They are pivotal for trust and authenticity
- d) They hinder profitability

1.11 What does the phrase "cultivating trust" imply?

- a) Destroying bonds with stakeholders
- b) Nurturing and developing relationships
- c) Ignoring customer feedback
- d) Manipulating employees

1.12 What does the comprehension suggest about consumer preferences?

- a) They gravitate toward integrity and authenticity
- b) They favor superficiality over substance
- c) They are not influenced by authenticity
- d) They prioritize aggressive marketing tactics

1.13 According to the comprehension, what differentiates successful entrepreneurs from others?

- a) Their avoidance of challenges
- b) Their ability to pivot in response to obstacles
- c) Their reluctance to engage with stakeholders
- d) Their short-term profit focus

1.14 What does the comprehension imply about the nature of setbacks?

- a) They are insurmountable obstacles
- b) They hinder growth and progress
- c) They are to be ignored
- d) They serve as opportunities for growth

1.15 What is the primary focus of strategic planning, according to the comprehension?

- a) Maximizing employee turnover
- b) Ignoring market shifts
- c) Anticipating challenges and opportunities
- d) Expanding profit margins

1.16 How does the comprehension characterize successful enterprises?

- a) They lack authenticity
- b) They prioritize short-term gains
- c) They cultivate trust and authenticity
- d) They manipulate stakeholders

1.17 What does the comprehension suggest about the relationship between business and life?

- a) They are unrelated domains
- b) They share parallels in navigating challenges
- c) Business principles do not apply to personal life
- d) Life experiences have no impact on business success

1.18 What does the term "triumphant" imply in the comprehension?

- a) Constant failure
- b) Temporary success
- c) Consistent success
- d) Unrelenting struggle

1.19 What does the phrase "labyrinth of choices" suggest in the comprehension?

- a) Limited options
- b) A straightforward path
- c) No decision-making required
- d) A complex array of decisions

1.20 What does the comprehension suggest about consumer behavior?

- a) It favors genuine connections
- b) It is solely driven by price
- c) It is not influenced by authenticity
- d) It disregards integrity

1.21 According to the comprehension, what separates successful enterprises from their counterparts?

- a) Manipulation of stakeholders
- b) Short-term profit maximization
- c) Authenticity and integrity
- d) Lack of strategic planning

1.22 What is the purpose of strategic planning, as described in the comprehension?

- a) To avoid challenges
- b) To anticipate and respond to obstacles
- c) To disregard market shifts
- d) To maximize overhead costs

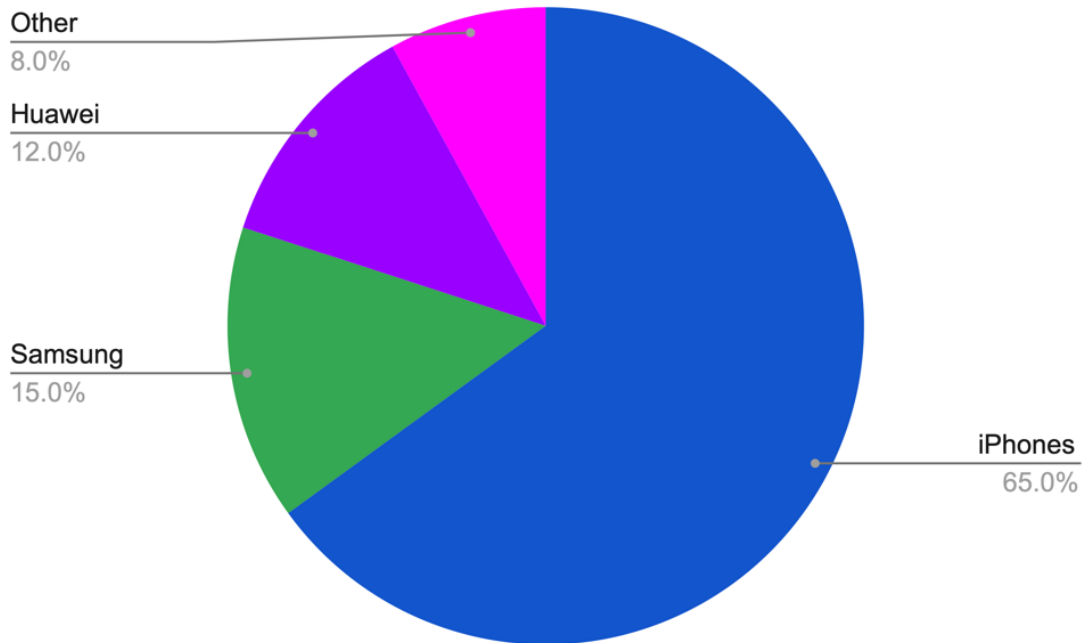
1.23 What is emphasized as crucial for individuals navigating business and life?

- a) Avoiding challenges
- b) Enduring and evolving in adversity
- c) Pursuing short-term gains
- d) Ignoring setbacks

- 1.24 What does the term "introspection" imply in the comprehension?
- a) External focus
 - b) Avoidance of self-reflection
 - c) Examination of one's thoughts and actions
 - d) Disregard for personal growth
- 1.25 What is the purpose of the semi-colon in paragraph 3, sentence 1?
- a) It is a conjunction that joins the two clauses together
 - b) It separates two independent clauses
 - c) It separates each clause into a list
 - d) It connects two opposing ideas in one sentence
- 1.26 According to the comprehension, what role does adaptability play in business success?
- a) It is irrelevant to success
 - b) It ensures long-term stability
 - c) It enables swift responses to changes
 - d) It increases overhead costs
- 1.27 What does the term "authenticity" suggest in the comprehension?
- a) Dishonesty
 - b) Genuine connections
 - c) Manipulation
 - d) Superficiality
- 1.28 What is the primary focus of strategic planning in business?
- a) Short-term profit maximization
 - b) Minimizing employee turnover
 - c) Expanding market share
 - d) Anticipating challenges and opportunities
- 1.29 According to the comprehension, what does the term "tapestry" metaphorically represent?
- a) A simple structure
 - b) A single thread
 - c) A fragmented business model
 - d) A complex and interconnected whole
- 1.30 What is the significance of "adaptability" in the comprehension?
- a) It underscores the need for flexibility
 - b) It emphasizes rigid adherence to plans
 - c) It promotes resistance to change
 - d) It encourages isolation from market dynamics

Section 2: Pie Chart

Two-thousand matrics were surveyed and were asked which phone brand they prefer. Below is a pie chart showing the which percentage of students preferred each phone brand.



2.1 What percentage of students prefer Huawei phones?

- a) 12%
- b) 15%
- c) 8%
- d) 65%

2.2 If 3200 students were to be interviewed, how many students would prefer Samsung phones?

- a) 360
- b) 480
- c) 600
- d) 450

2.3 How many students prefer brands other than iPhone, Huawei, and Samsung?

- a) 200
- b) 160
- c) 150
- d) 180

2.4 If 40% of the students who preferred iPhones suddenly preferred Samsung, what would be the new percentage of students who prefer Samsung?

- a) 30%

- b) 65%
- c) 50%
- d) 41%

2.5 If 240 students prefer Huawei phones, how many students prefer Samsung phones?

- a) 240
- b) 450
- c) 300
- d) 320

2.6 What is the ratio of students who prefer Samsung phones to those who prefer iPhones?

- a) 5:17
- b) 3:13
- c) 2:17
- d) 1:5

2.7 If the number of students who prefer iPhones is decreased by 50%, what percentage of students would then prefer iPhones?

- a) 32.5%
- b) 50%
- c) 32.5%
- d) 82.5%

2.8 How many more students prefer iPhones than Huawei phones?

- a) 1560
- b) 1300
- c) 1060
- d) 1520

2.9 What percentage of students prefer iPhones or Samsung phones?

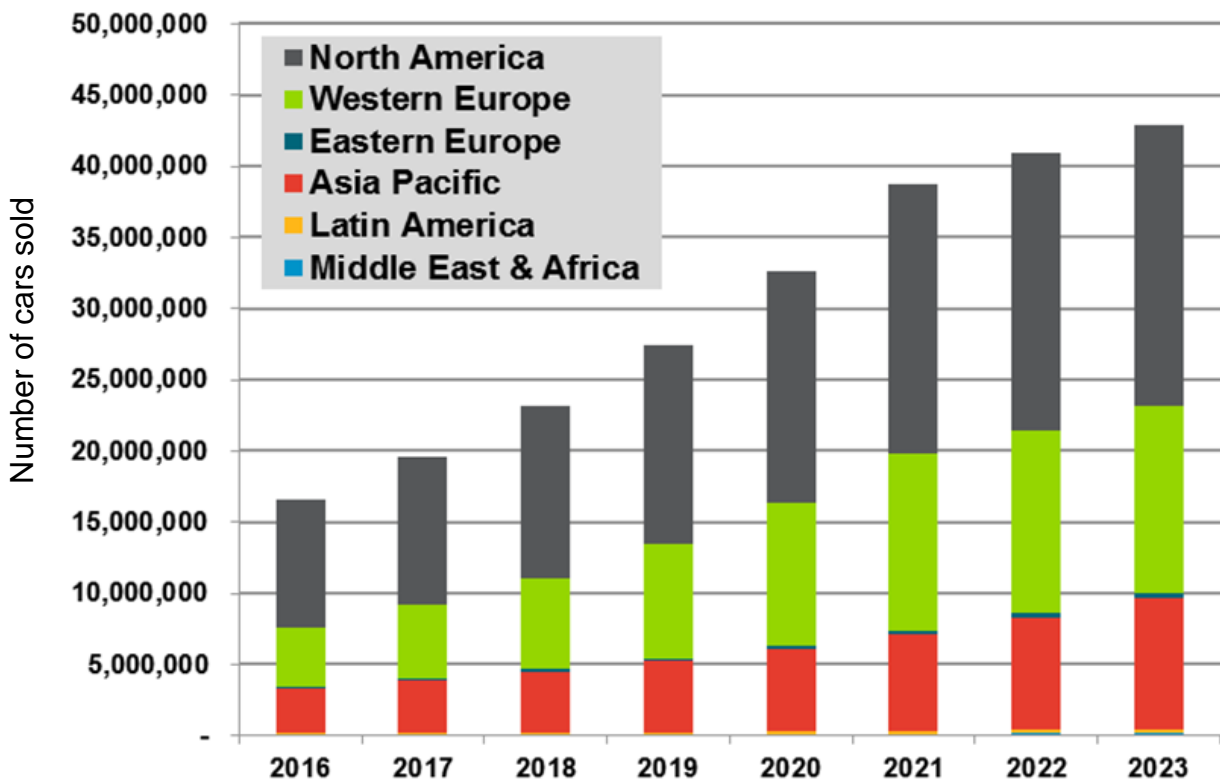
- a) 90%
- b) 77%
- c) 65%
- d) 80%

2.10 If the number of students who prefer iPhones is increased by 30%, what percentage of students would then prefer iPhones?

- a) 65%
- b) 84.5%
- c) 78%
- d) 92%

Section 3: Bar chart

Study the following bar graph below and answer the questions that follow:



Source: Navigant Research

3.1 Which region had the highest number of vehicle sales from 2016 to 2023?

- a) North America
- b) Western EU
- c) Asia Pacific
- d) Latin America

3.2 What could be a valid reason for North America having higher vehicle sales than Europe and Asia-Pacific?

- a) Europe and Asia have more public transport infrastructure like trains, negating the need for cars.
- b) North Americans love car culture
- c) Car culture is not as big in Europe and Asia, hence contributing to low sales compared to North America
- d) Because most cars are manufactured in North America

3.3 Roughly how many cars were sold in North America in 2023?

- a) 43 million
- b) 23 million
- c) 20 million
- d) 10 million

3.4 Roughly how many cars were sold in Asia-Pacific in 2018?

- a) 5.5 million
- b) 4.9 million
- c) 4 million
- d) 4.5 million

3.5 What is the rough percentage increase of car sales in North America from 2017 to 2023?

- a) 50%
- b) 100%
- c) 150%
- d) 75%

3.6 Which two regions have to lowest vehicle sales according to the bar graph?

- a) Latin America
- b) Latin America, Middle East & Africa
- c) Asia-Pacific and Eastern Europe
- d) Western Europe and Eastern Europe

Section 4: Visual literacy

Study the following advert below and answer the questions that follow:



Source: Rolls-Royce

4.1 What is the primary focus of the Rolls-Royce Wraith advertisement?

- a) Promoting speed and agility
- b) Highlighting luxury and exclusivity
- c) Emphasizing fuel efficiency
- d) Showcasing environmental friendliness

4.2 Based on the advertisement, who is the likely target demographic for the Rolls-Royce Wraith?

- a) Budget-conscious consumers
- b) Young professionals seeking practicality
- c) Affluent individuals valuing prestige and status
- d) Eco-conscious drivers prioritizing sustainability

4.3 What emotion does the phrase "And the world stood still" evoke in the advertisement?

- a) Excitement
- b) Serenity
- c) Astonishment
- d) Discomfort

4.4 How does the Rolls-Royce Wraith advertisement portray the car?

- a) As a symbol of opulence and sophistication
- b) As a basic means of transportation
- c) As a utilitarian vehicle for everyday use
- d) As a budget-friendly option for the masses

4.5 What effect does the inclusion of the Rolls-Royce Wraith image have on the advertisement?

- a) It distracts from the overall message
- b) It reinforces the luxurious image being conveyed
- c) It diminishes the perceived value of the product
- d) It leaves viewers to ponder about the car's design

4.6 Which demographic is likely to feel the most drawn to the Rolls-Royce Wraith advertisement?

- a) Students
- b) Entrepreneurs
- c) Retirees
- d) Luxury car enthusiasts

4.7 What message does the Rolls-Royce Wraith advertisement aim to convey about the brand?

- a) Rolls-Royce cars are expensive and beautifully designed
- b) Rolls-Royce cars offer superior performance
- c) Rolls-Royce cars provide practicality over luxury

d) Rolls-Royce cars symbolize elegance and timelessness

4.8 What is the likely response of viewers to the Rolls-Royce Wraith advertisement?

- a) Envy
- b) Disinterest
- c) Confusion
- d) Indifference

4.9 How does the advertisement contribute to the brand image of Rolls-Royce?

- a) By positioning the brand as accessible to the masses
- b) By reinforcing the brand's reputation for luxury and prestige
- c) By suggesting the brand is focused on practicality over extravagance
- d) By portraying the brand as environmentally conscious

4.10 What aspect of the Rolls-Royce Wraith advertisement is likely to resonate with potential buyers?

- a) The affordability of the car
- b) The practicality of the car's features
- c) The sense of exclusivity and status associated with owning the car
- d) The car's ability to blend in with other vehicles

Section 5: Probability

A total of 50 students from a particular school were studied. 20 students play soccer, 30 play tennis and 10 play soccer and tennis.

5.1 What is the probability that a randomly selected student plays either soccer or tennis?

- a) $\frac{1}{2}$
- b) $\frac{3}{5}$
- c) $\frac{3}{10}$
- d) $\frac{4}{5}$

5.2 If a student plays soccer, what is the probability that they also play tennis?

- a) $\frac{1}{2}$
- b) $\frac{1}{3}$
- c) $\frac{1}{4}$
- d) $\frac{1}{5}$

5.3 If a student is randomly selected and does not play soccer, what is the probability that they play tennis?

- a) $\frac{1}{2}$

- b) $\frac{2}{5}$
- c) $\frac{3}{4}$
- d) $\frac{1}{4}$

Section 6: Mode & Median

Study the following dataset:

12 ; 3 ; 4 ; 15 ; 23 ; 5 ; 3 ; 3 ; 17 ; 11 ; 12 ; 3 ; 5

6.1 What is the mode?

- a) 3
- b) 4
- c) 15
- d) 5

6.2 What is the median?

- a) 3
- b) 4
- c) 15
- d) 5