



**Textile Institute  
of Pakistan**

# SAMPLE

# TEST PAPER

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**SUSTAINABLE TEXTILE  
APPAREL MANUFACTURING & MERCHANDISING  
TEXTILE MANAGEMENT & MARKETING**

<b>Section</b>	<b>Criteria &amp; Subject Division</b>	<b>Marks</b>	<b>Time Allowed</b>
<b>Verbal Reasoning</b>	<b>Analogy, Synonym/Antonym, Sentence Completion Reading Comprehension</b>	<b>20 Marks</b>	<b>20 Mins</b>
<b>Quantitative Reasoning</b>	<b>Arithmetic, Algebra &amp; Functions, Geometry, Equations, Statistics, Scenario based/Mental Mathematics</b>	<b>20 Marks</b>	<b>20 Mins</b>
<b>Essay Writing</b>	<b>One Essay out of Three Topics</b>	<b>10 Marks</b>	<b>20 Mins</b>
<b>Total</b>		<b>50 Marks</b>	<b>1 Hour</b>



## **A. Analogy**

1. Book : Read :: Song : \_\_\_\_\_
  - A. Write
  - B. Listen
  - C. Draw
  - D. Dance
2. Teacher : School :: Doctor : \_\_\_\_\_
  - A. Market
  - B. Hospital
  - C. Library
  - D. Park

## **B. Synonyms and Antonyms**

3. Synonym of Rapid:
  - A. Slow
  - B. Quick
  - C. Weak
  - D. Quiet
4. Antonym of Expand:
  - A. Grow
  - B. Increase
  - C. Contract
  - D. Stretch



**C. Sentence Completion**

5. If you study regularly, you \_\_\_\_\_ improve your grades.
- A. can
  - B. never
  - C. rarely
  - D. avoid
6. She was tired, \_\_\_\_\_ she completed the assignment.
- A. because
  - B. but
  - C. unless
  - D. since



## **D. Reading Comprehension**

### **Passage**

Reading regularly improves vocabulary, develops critical thinking skills, and enhances communication abilities. Students who read frequently often perform better in academic settings.

7. What is the main idea of the passage?

- A. Reading is expensive.
- B. Reading improves important skills.
- C. Students dislike reading.
- D. Communication is unnecessary.

8. According to the passage, reading helps improve:

- A. Vocabulary
- B. Driving skills
- C. Cooking skills
- D. Athletic skills

### **Essay Writing:**

One Essay out of three topics



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**Sample Verbal Reasoning Aptitude Test**

# **Answer Key**

**B**

**B**

**B**

**C**

**A**

**B**

**B**

**A**



## Sample Quantitative Reasoning Aptitude Test

### Arithmetic:

Q1: A trader buys 80 bags at PKR 150 each and sells them at PKR 180 each. What is the total profit?

- A. PKR 2,000
- B. PKR 2,400
- C. PKR 2,800
- D. PKR 3,000

Q2: If 25% of a number is 50, what is 60% of that number?

- A. 100
- B. 120
- C. 140
- D. 150

Q3: A car travels 240 km in 3 hours. How far will it travel in 5 hours at the same speed?

- A. 350 km
- B. 400 km
- C. 450 km
- D. 500 km

Q4: A shopkeeper offers a 20% discount on an item marked at \$250. What is the sale price?

- A. 200
- B. 210
- C. 220
- D. 230

Q5: A sum triples itself in 10 years at simple interest. What is the annual rate?

- A. 15%
- B. 20%
- C. 25%
- D. 30%



**Sample Quantitative Reasoning Aptitude Test**

**Algebra & Functions:**

Q1: If  $f(x) = 2x^2 + 3$ , find  $f(3)$ .

- A. 18
- B. 21
- C. 24
- D. 27

Q2: A number is increased by 20%, and then the result is decreased by 20%. If the original number was 100, what is the final number?

- A. 95
- B. 86
- C. 76
- D. 96

Q3: The sum of two consecutive integers is 51. What is the larger integer?

- A. 25
- B. 26
- C. 27
- D. 28

Q4: A number is multiplied by 4 and then decreased by 6 to give 26. What is the number?

- A. 6
- B. 7
- C. 8
- D. 9



## Sample Quantitative Reasoning Aptitude Test

### Geometry:

Q1: The perimeter of a rectangle is 50 cm and its length is 15 cm. Find its area.

- A.  $140 \text{ cm}^2$
- B.  $150 \text{ cm}^2$
- C.  $160 \text{ cm}^2$
- D.  $175 \text{ cm}^2$

Q2: A rectangular field is 40 m long and 30 m wide. A path of uniform width 2 m is built inside along all four sides. What is the area of the remaining field?

- A.  $124 \text{ cm}^2$
- B.  $132 \text{ cm}^2$
- C.  $196 \text{ cm}^2$
- D.  $156 \text{ cm}^2$

Q3: A right triangle has legs 5 cm and 12 cm. What is the hypotenuse?

- A. 11 cm
- B. 12 cm
- C. 13 cm
- D. 14 cm



**Sample Quantitative Reasoning Aptitude Test**

**Equations:**

Q1: What are the roots of  $x^2 - 9x + 20 = 0$ ?

- A. 4 and 5
- B. 3 and 6
- C. 2 and 10
- D. 1 and 20

Q2: Solve:  $x + y = 12$  and  $x - y = 4$ . Find  $x$ .

- A. 6
- B. 7
- C. 8
- D. 9

Q3: If  $x^4 = 81$ , which lists all values of  $x$ ?

- A. 7
- B. -7
- C. 3
- D. 4



**Sample Quantitative Reasoning Aptitude Test**

**Statistics:**

Q1: The mean of four numbers is 18. Three numbers are 12, 16 and 20. Find the fourth number.

- A. 20
- B. 22
- C. 24
- D. 26

Q2: Find the mode of {2, 4, 4, 5, 7, 7, 7, 9}.

- A. 4
- B. 5
- C. 7
- D. 9



**Sample Quantitative Reasoning Aptitude Test**

**Scenario Based/Mental Mathematics:**

Q1: A shirt costs PKR 3,000 and is sold at a 15% discount. What is the selling price?

- A. PKR 2,450
- B. PKR 2,550
- C. PKR 2,650
- D. PKR 2,750

Q2: You buy 4 pens at PKR 35 each and pay PKR 200. What is the change?

- A. PKR 40
- B. PKR 50
- C. PKR 60
- D. PKR 70

Q3: A motorcycle uses 3 litres of fuel for every 75 km. How much fuel is needed for 300 km?

- A. 9 litres
- B. 10 litres
- C. 11 litres
- D. 12 litres



**Sample Quantitative Reasoning Aptitude Test**

**Answer Key:**

**Arithmetic**

1 B

2 B

3 B

4 A

5 B

**Algebra & Functions**

1 B

2 D

3 B

4 C

**Statistics**

1 C

2 C

**Geometry**

1 B

2 C

3 C

**Equations**

1 A

2 C

3 C

**Scenario Based/Mental Mathematics**

1 B

2 C

3 D