

## Sample Paper for Pre-Admission Entry Test

Each section includes question types from the subjects of English, Mathematics, and Analytical Skills. The test will be computer-based, and its duration will be 60 minutes. A sample test paper is provided below:

### Instructions:

1. Mobile phones, programmable calculators, any type of table, and written or printed materials are strictly not allowed. General and scientific calculators are allowed.
2. During the test, do not borrow any items, talk, whisper, or look away from your own papers.  
Noncompliance with these instructions will result in disqualification from the test.
3. Attempt all sections.

## SAMPLE PAPER

### SECTION 1 (MATHEMATICS)

Choose the correct option:

1. For some integer  $n$ , the odd integer is represented in the form of:
  - a)  $N$
  - b)  $n + 1$
  - c)  $2n + 1$
  - d)  $2n$
2. Which of the following is not irrational?
  - a)  $(3 + \sqrt{7})$
  - b)  $(3 + \sqrt{7})(3 - \sqrt{7})$
  - c)  $(3 - \sqrt{7})$
  - d)  $3\sqrt{7}$
3. If set  $A = \{1, 2, 3, 4, 5, \dots\}$  is given, then it represents:
  - a) Natural numbers.
  - b) Whole numbers.
  - c) Rational Numbers.
  - d) Complex numbers.
4. The degree of the polynomial,  $x^4 - x^2 + 2$  is:
  - a) 2
  - b) 4
  - c) 1
  - d) 0
5. The pairs of equations  $x + 2y - 5 = 0$  and  $-4x - 8y + 20 = 0$  have:
  - a) Unique solution.
  - b) Exactly two solutions.
  - c) Infinitely many solutions.
  - d) No solution.

## SECTION 2 (ENGLISH)

1. Rewrite these sentences by replacing the words in brackets with the appropriate tense of the verb.
  - a) The people (flee) from their villages as the volcano erupted.
  - b) The river (flow) through a number of lovely small villages nestling in the valley.
  - c) The football match will be (broadcast) to eighty countries around the world.
  - d) Heavy rain has been (forecast) for tomorrow.
  - e) Have you (read) my report yet?
2. Choose the correct response (singular or plural):
  - a) Tell your \_\_\_\_\_ (brother/brothers) to pick up his car.
  - b) Maria is the only \_\_\_\_\_ (people/person) that I can trust.
  - c) Many of my \_\_\_\_\_ (friend/friends) live in this neighborhood.
  - d) That's her... The \_\_\_\_\_ (girl/girls) I told you about!
  - e) Tell your \_\_\_\_\_ (cousin/cousins) to show us their photos.
3. Write the correct comparative form for each of the adverbs (in parentheses):
  - a) He ran \_\_\_\_\_ than the other runners. (fast)
  - b) We got here \_\_\_\_\_ than the other people. (soon)
  - c) Mr. Sabir checks our tests \_\_\_\_\_ than the other teachers. (carefully)
  - d) She was able to finish the exam \_\_\_\_\_ than me. (quickly)
  - e) He got up \_\_\_\_\_ than his wife did. (early)
4. It sure is cold today! Yes, it's \_\_\_\_\_ outside! (= very cold)
  - a) freezing
  - b) frozen
  - c) frostbite
5. Talking to someone about the weather (and other "light" topics) is commonly referred to as "making \_\_\_\_\_".
  - a) light chat
  - b) small talk
  - c) sense

### SECTION 3 (ANALYTICAL SKILLS)

1. Ali walks 10 meters north, then turns right and walks 5 meters, then turns right again and walks 10 meters. In which direction is he now facing?
  - a) East
  - b) West
  - c) South
  - d) North
  
2. Ali is the brother of Sara. Sara is the daughter of Ahmed. How is Ahmed related to Ali?
  - a) Uncle
  - b) Father
  - c) Grandfather
  - d) Brother
  
3. If today is Wednesday, what day will it be after 10 days?
  - a) Saturday
  - b) Friday
  - c) Sunday
  - d) Monday
  
4. Which of the following does not belong in the group?
  - a) Triangle
  - b) Circle
  - c) Square
  - d) Rectangle
  
5. What comes next in the series?  
2, 4, 8, 16?
  - a) 18
  - b) 20
  - c) 24
  - d) 32