

## SYLLABUS FOR ADMISSION TEST

**SECTION I – IQ/GEN. KNOWLEDGE** (55 min, 50 questions, 50 marks)

Test of logical reasoning, understanding relationship between sets of words and figures, Sequences of numbers and alphabets, Puzzles and problem solving.

General Knowledge about history, geography, everyday science and current affairs.

**SECTION II Science** (35 min, 20 questions, 20 marks)

Basic concepts from Physics, Chemistry, Biology and Mathematics

# 1 1 1 1 1 1 1

**SECTION I (IQ/GENERAL KNOWLEDGE)**

**No. of Questions: 50**

**Time Allowed: 55 minutes**

#### The sample contains only 30 questions

#### What comes next in the series?

2 1 0.5 0.25 **?**

**Options**

1. What number is next in the series? 21 13 21 17 21 21 21 **?**

**Options**

1. Which figure is next in the sequence?

**Options**

#### How many squares and rectangles are in the figure below?

|  |  |  |  |
| --- | --- | --- | --- |
|  | |  | |
|  |  |  |  |
|  |  | |  |

**Options**

1. What is the next figure in the sequence?

### Options

1 1 1 1 1 1 1

#### Find the missing alphabet :

J

G

M

D

P

A

S

**Options**

1. A cheque has the amount written on it as “**Rupees One Ninety Nine Thousand Nine Only**” Write this amount in numbers.

### Options

#### In the figure below, if circle A is VARIABLE and circle B is VENTURE, what is the shaded area?

A

B

### Options

1. Complete the analogy

Zoo is to animals as Aquarium is to .

### Options

1. What is greater: one-half of 1/3 OR one-third of 1/2?

### Options

1. Which one of these words comes first in a dictionary: PIECE, PEACE or PIERCE?

### Options

1. Which is the odd one out?

Cycling, Fencing, Boxing, Wrestling, Hockey

### Options

1. What is the figure shown below called?

### Options

1. Majid runs faster than Saleem, Jamil runs faster than Majid, Haroon runs faster than Saleem. Who runs the fastest??

### Options

1. If 17th June is a Monday, what day it will be on 17th July?

### Options

1. What is measured by a BAROMETER?

### Options

1. Who was Galileo?

### Options

1. Which country’s cricket team is called PROTEAS?

### Options

1. What does the acronym SNGPL stands for?

### Options

1. The highest civil award of Pakistan is **Nishan i Pakistan**, what is the second highest civil award of Pakistan?

### Options

1. Sun consists of 70% of which gas?

### Options

1. International youth day is observed every year on ?

### Options

1. Which game is called ‘Game of Kings’ ?

### Options

1. For how many years, the United states stayed in Afghanistan?

### Options

1. The term **double fault** is associated with which game?

### Options

1. How many time Australia won the cricket world cup?

### Options

1. The Angel who delivered messages to Prophet Muhammad (PBUH) from Allah was?

### Options

1. Which country is called the “Land of Prophets”?

### Options

1. Which surah starts without “Bismillah” in Quran?

### Options

1. What does NADRA stand for in Pakistan?

### Options

1 1 1 1 1 1 1

**END OF SECTION I**

**Do not turn to the next section until you are asked to do so.**

2 2 2 2 2 2 2

**Section II (Science)**

**No. of Questions: 20 Time Allowed: 35 min**

1. What is the life span of Red Blood Cells in days?

##### Options

1. What is the most abundant element in the universe?

##### Options

1. Which molecule carries the genetic code**?**

##### Options

1. Who is known as Father of modern genetics?

##### Options

1. What is the name of the largest part of the human brain?

##### Options

1. Diamond is an allotropic form of \_\_\_\_\_\_\_\_ .

##### Options

1. Persons having which blood group are considered to be universal recipients?

##### Options

1. Which is the largest gland in the human body?

##### Options

2 2 2 2 2 2 2

1. What is the functional unit of DNA?

##### Options

1. What is the name of a group of similar cells that perform a specific function?

##### Options

1. What was discovered by Robert Hooke?

##### Options

1. What type of reaction is represented by the equation:

Zn + 2HCl → ZnCl₂ + H₂?

##### Options

1. What is the pH of a neutral solution?

##### Options

1. Which law of motion is also called law of Inertia?

##### Options

1. What is the velocity of sound in vacuum?

##### Options

1. What is the molar mass of CO₂? (Atomic masses: C=12, O=16)?

##### Options

1. What is the mean of the numbers 3, 5, 7, 9, and 11?

##### Options

# 2 2 2 2 2 2 2

1. What is another name for wind pipe in humans?

##### Options

1. If a= -2 and b=3, what is the value of -**3a2b**?

##### Options

1. 25% of A is 75. What is the value of A?

##### Options

**END OF SECTION II**

**Do not turn to the previous section**

## ANSWER KEY FOR SAMPLE TEST PAPER 2024

|  |  |
| --- | --- |
| **SECTION I (IQ/ GEN KNOWLEDGE)** | |
| Question Number | Answer |
| 1 | 0.125 |
| 2 | 25 |
| 3 |  |
| 4 | 7 |
| 5 |  |
| 6 | V |
| 7 | 199,009 |
| 8 | VER (or its permutations) |
| 9 | fish |
| 10 | Both are equal |
| 11 | PEACE |
| 12 | Hockey |
| 13 | hexagon |
| 14 | Jamil |
| 15 | Wednesday |
| 16 | pressure |
| 17 | Astronomer or Scientist |
| 18 | South Africa |
| 19 | Sui Northern Gas Pipelines Limited |
| 20 | Hilal e Pakistan |
| 21 | Hydrogen |
| 22 | 12th August |
| 23 | Chess |
| 24 | 20 years |
| 25 | Tennis |
| 26 | 6 times |
| 27 | Jibrael (A.S) |
| 28 | Palestine |
| 29 | Al Toba |
| 30 | National Database and Registration Authority |
| **SECTION II (Science)** | |
| Question Number | Answer |
| 1 | 120 days |
| 2 | Hydrogen |
| 3 | DNA |
| 4 | Gregor Mendel |
| 5 | Cerebrum |
| 6 | Carbon |
| 7 | AB+ |
| 8 | Liver |
| 9 | Gene |
| 10 | Tissue |
| 11 | Cell |
| 12 | Single displacement |
| 13 | 7 |
| 14 | 1st Law |
| 15 | zero |
| 16 | 44 g/mol |
| 17 | 7 |
| 18 | Trachea |
| 19 | -36 |
| 20 | 300 |