

Sample Paper for the Post of Engineer (Grade II-III)

Chemical Engineer:

Question: Which of the following equipment is primarily used for separating components of a liquid mixture based on differences in boiling points?

- A. Absorber
- B. Distillation column
- C. Heat exchanger
- D. Reactor

Mechanical Engineer:

Question: Which law states that the strain in a material is proportional to the applied stress within the elastic limit?

- A. Newton's Law
- B. Pascal's Law
- C. Hooke's Law
- D. Bernoulli's Principle

Civil Engineer:

Question: Which of the following tests is used to determine the compressive strength of cement?

- A. Vicat Apparatus Test
- B. Soundness Test
- C. Standard Consistency Test
- D. Compression Test on Mortar Cube

Electrical / Electronic Engineer:

Question: Which component is used to store electrical energy in an electric field?

- A. Resistor
- B. Inductor
- C. Capacitor
- D. Transformer

Question: Which modulation technique varies the frequency of the carrier signal in accordance with the message signal?

- A. Amplitude Modulation (AM)
- B. Frequency Modulation (FM)
- C. Phase Modulation (PM)
- D. Pulse Code Modulation (PCM)

Telecom/Communication Engineer:

Question: In Amplitude Modulation (AM), which parameter of the carrier signal is varied?

- A) Frequency
- B) Phase
- C) Amplitude
- D) Bandwidth

Question: Which multiplexing technique is used in telephone systems?

- A) Time Division Multiplexing (TDM)
- B) Frequency Division Multiplexing (FDM)
- C) Code Division Multiplexing (CDM)
- D) Spatial Multiplexing

Petroleum & Gas Engineer:

Question: What is the primary purpose of hydraulic fracturing (fracking) in oil and gas extraction?

- A. To reduce drilling costs
- B. To increase reservoir pressure
- C. To create fractures in the rock for improved hydrocarbon flow
- D. To cool down the drilling equipment

Metallurgy & Materials Engineer:

Question: Which of the following is the primary alloying element in stainless steel that provides corrosion resistance?

- A. Carbon
- B. Chromium
- C. Nickel
- D. Manganese

Question: Which component is commonly used in Mechatronics systems to convert electrical energy into mechanical motion?

- A. Microcontroller
- B. Transistor
- C. Actuator
- D. Sensor

Mechatronics Engineer:

Question: A robot manipulator typically consists of:

- A) Sensor and CPU
- B) Actuator and sensor
- C) Arm, joints, and end effector
- D) Gearbox and brake

English:

Question: Choose the best replacement for the underlined phrase:

The book **comprises** of five chapters.

- A) Comprises
- B) Is comprised of
- C) Consists
- D) Made up

Analytical Reasoning

Question: Statement: All engineers are logical. Some logical people are creative.

Conclusion:

- 1. Some engineers are creative.
- 2. All creative people are logical.

Which of the following is correct?

- A. Only conclusion 1 follows
- B. Only conclusion 2 follows
- C. Both conclusions follow
- D. Neither conclusion follows

General Knowledge

Question: Which country is the largest producer of oil in the world as of 2024?

- A. Russia
- B. United States
- C. Saudi Arabia
- D. China

Company Business

Question: The primary industry in which SNGPL operates is:

- A) Electricity Generation
- B) Natural Gas Transmission & Distribution
- C) Oil Refining
- D) Renewable Energy

Sample Paper for the Post of Officer (Grade II - III) (Administration, Retail Sales, Corporate Sales, Stores, Procurement etc.)

Qualification Related:

Question: A key responsibility of the administration department is:

- A) Manufacturing the product
- B) Ensuring smooth internal operations
- C) Deciding product packaging
- D) Managing public relations only

Question: Which term refers to the process of checking physical inventory with system records?

- A) Stock rotation
- B) Reordering
- C) Stock reconciliation
- D) Asset disposal

English:

Question: Which of the following sentences uses the **subjunctive mood** correctly?

- A) If I was you, I would take the job.
- B) I wish he was here to see this.
- C) If she were taller, she could reach the shelf.
- D) He acts as if he was the manager.

Analytical Reasoning:

Question: Five friends — Ali, Bilal, Daniyal, Fahad, and Hammad — are sitting in a row facing north.

- Bilal is not sitting at any of the ends.
- Hammad is sitting exactly between Daniyal and Fahad.
- Ali is to the immediate right of Daniyal.
- Fahad is not at any end.

Who is sitting at the leftmost end?

Options:

- A) Fahad
- B) Daniyal
- C) Ali
- D) Hammad

Quantitative Analysis:

Question: A car travels at 60 km/h for 2 hours and then at 80 km/h for 1.5 hours. What is the average speed of the car over the entire journey?

- A) 70 km/h
- B) 72 km/h
- C) 68 km/h
- D) 75 km/h

General Knowledge:

Question: Which country is the **largest producer of oil** in the world as of 2024?

- A) Russia
- B) Saudi Arabia
- C) United States
- D) China

Company business:

Question: Which of the following units is commonly used to measure **natural gas consumption** in households connected via SNGPL?

- A) Liters
- B) Cubic Feet
- C) Barrels
- D) Kilograms

Sample Paper for the Post of Officer HR (Grade II - III)

Qualification Related:

Question: 18. Job description includes:

- A) Employee hobbies
- B) Duties, responsibilities, and working conditions
- C) Personal goals
- D) Future aspirations

English:

Question: Passive: The window was broken by the boy.

Choose the active voice:

- A) The boy broke the window.
- B) The boy breaks the window.
- C) The boy has broken the window.
- D) The boy was breaking the window.

Analytical Reasoning:

Question: A train runs 50 km in 45 minutes. What is its average speed in km/h?

- A) 60
- B) 66.6
- C) 70
- D) 75

Quantitative Analysis:

Question: Find the missing number: 5, 10, 20, __, 80

- A) 30
- B) 35
- C) 40
- D) 50

General Knowledge:

Question: When did Pakistan become a member of the United Nations?

- A) 14 August 1947
- B) 30 September 1947
- C) 25 December 1947
- D) 11 August 1947

Company business:

Question: Which service is provided for planning and constructing pipelines — both for itself and third parties?

- A) Financial Audits
- B) EPC contracting
- C) Logistics
- D) IT Services

Sample Paper for the Post of Officer Law (Grade II - III)

Qualification Related:

Question: Which law in Pakistan deals with criminal offences?

- A) CPC
- B) PPC
- C) CRPC
- D) Evidence Act

English:

Question: Correct the error in the sentence:

Each of the students have submitted their papers.

- A) Replace "have" with "has"
- B) Replace "their" with "his"
- C) No error
- D) Both A and B

Analytical Reasoning:

Question: If ALLIGATOR is coded as 12229712015618, what is the code for LION?

- A) 129156
- B) 129615
- C) 129159
- D) 129519

Quantitative Analysis:

Question: Solve: $x^2 = 81$. Then $x = ?$

- A) ± 9
- B) 9
- C) -9
- D) 0

General Knowledge:

Question: Which is the largest ocean in the world?

- A) Atlantic
- B) Indian
- C) Arctic
- D) Pacific

Company business:

Question: SNGPL began as a private company and converted to a public limited company in:

- A) 1960
- B) 1964
- C) 1970
- D) 1984

Sample Paper for the Post of Executive Accountant/Officer (Grade IV) (Accounts, Compliance, Audit, Finance, Treasury, Billing etc.)

Qualification Related:

Question: Which accounting principle states that expenses should be recorded when incurred, not when paid?

- A) Revenue Recognition
- B) Consistency Principle
- C) Matching Principle
- D) Materiality Principle

Question: Which financial statement shows a company's financial position at a specific point in time?

- A) Income Statement
- B) Cash Flow Statement
- C) Balance Sheet
- D) Trial Balance

English:

Question: Choose the correct passive voice:

They are watching a movie.

- A) A movie watched by them.
- B) A movie is watched by them.
- C) A movie is being watched by them.
- D) A movie has been watched by them.

Analytical Reasoning:

Question: Ali is taller than Bilal, Bilal is taller than Umar. Who is the shortest?

- A) Ali
- B) Bilal
- C) Umar
- D) Cannot be determined

Quantitative Analysis:

Question: If 5 pens cost Rs. 100, what is the cost of 12 pens?

- A) Rs. 220
- B) Rs. 240
- C) Rs. 250
- D) Rs. 280

General Knowledge:

Question: What is the currency of Japan?

- A) Yen
- B) Won
- C) Dollar
- D) Yuan

Company Business:

Question: Which part of Pakistan does SNGPL serve?

- A) Sindh & Balochistan
- B) Punjab & Khyber Pakhtunkhwa
- C) Sindh & Azad Kashmir
- D) Balochistan & Gilgit

Sample Paper for the Post of Sample Paper for the Post of Information Security Officer (Grade II – III)

Qualification Related:

Question: What is the main purpose of a Security Information and Event Management (SIEM) system?

- A) To prevent malware infections
- B) To collect, analyze, and correlate security event data in real-time
- C) To manage user passwords
- D) To control physical access to servers

English:

Question: Identify the correct indirect speech:

He said, "I will go tomorrow."

- A) He said that he would go the next day.
- B) He said that I will go tomorrow.
- C) He said that he will go the next day.
- D) He said he would gone tomorrow.

Analytical Reasoning:

Question: Which number comes next in the series?

5, 10, 20, 40, ____

- A) 60
- B) 70
- C) 80
- D) 100

Quantitative Analysis:

Question: What is the square root of 121?

- A) 10
- B) 11
- C) 12
- D) 13

General Knowledge:

Question: Which planet is known as the "Red Planet"?

- A) Earth
- B) Mars
- C) Jupiter
- D) Mercury

Company Business:

Question: What are the two types of gas supply channels used by SNGPL?

- A) LNG & LPG
- B) RLNG & System Gas
- C) Petrol & Gasoline
- D) Diesel & Bio-Gas

Sample Paper for the Post of Systems Administrator-AIX/Linux (Grade II - III)

Qualification Related:

Question: What file contains user account information on Linux systems?

- A) /etc/shadow
- B) /etc/passwd
- C) /etc/group
- D) /etc/profile

Question: Which command in Linux is used to change the runlevel?

- A) init
- B) systemctl
- C) runlevel
- D) chkconfig

English:

Question: Identify the part of speech:

She ran quickly.

What part of speech is "quickly"?

- A) Adjective
- B) Adverb
- C) Verb
- D) Preposition

Analytical Reasoning:

Question: Ali is facing North. He turns 90° right, then 180°, then 90° left. Which direction is he facing now?

- A) East
- B) West
- C) South
- D) North

Quantitative Analysis:

Question: A shopkeeper gives a discount of 10% and still makes a profit of 8%. What is the cost price if the marked price is Rs. 500?

- A) Rs. 414
- B) Rs. 416
- C) Rs. 418
- D) Rs. 420

General Knowledge:

Question: Which is the smallest continent by land area?

- A) Europe
- B) Antarctica
- C) Australia
- D) South America

Company Business:

Question: Which authority regulates gas pricing and revenue recovery for SNGPL?

- A) NEPRA
- B) Ogra
- C) SECP
- D) PSX

Sample Paper for the Post of Apps/ Database Administrator (Grade II - III)

Qualification Related:

Question: What type of database backup captures every change to the database after the last backup?

- A) Full backup
- B) Differential backup
- C) Incremental backup
- D) Transaction log backup

Question: In SQL, what does the JOIN clause do?

- A) Combines rows from two or more tables based on related columns
- B) Deletes rows in a table
- C) Updates records in a table
- D) Creates a new table

English:

Question: Select the correct indirect speech:

She said, "I am tired."

- A) She said she is tired.
- B) She said that she was tired.
- C) She said that I was tired.
- D) She said I am tired.

Analytical Reasoning:

Question: From the given options, which is the best assumption? "The company is advertising heavily."

- A) The company is launching a new product
- B) The company has financial problems
- C) The company is closing down
- D) None of these

Quantitative Analysis:

Question: If the price of sugar rises by 25%, by what percent should a family reduce consumption to maintain the same expenditure?

- A) 20%
- B) 25%
- C) 22%
- D) 18%

General Knowledge:

Question: Which river is the longest in the world?

- A) Amazon
- B) Yangtze
- C) Nile
- D) Mississippi

Company Business:

Question: How many regions does SNGPL organize its distribution through?

- A) 5
- B) 11
- C) 17
- D) 20