Services & General Administration Department (S&GAD) — 2026 · Solved Past Paper

Body: Punjab Public Service Commission (PPSC) · **Post:** Services & General Administration Department (S&GAD) · **Year:** 2026 · **Questions:** 100 in the original paper — **96 solved and verified**, 4 excluded as defective (Q32, Q44, Q47, Q99) · **Price:** Free

> **How to use this paper:** each question shows the stem, the four options, and the correct answer. Click “Why each option?” under a question to see all four options explained — one question teaches four topics. General Knowledge answers are as of the 2026 sitting.

Source note: GK360 reproduction 'Services & General Administration Department Past Paper 2026' (100 MCQs). Exact date and session not stated; filed by year 2026 with paper_date null. Current-affairs-heavy (Somaliland/Israel recognition, USA leaving the Paris Agreement per a 2025 report, Federal Court Art. 175). Key distribution A9/B16/C35/D36 (A skew recorded openly; each key checked on its own facts). Dedup: 0 exact / 0 first-8 vs the live 522-paper stem index (47,486 stems); cross-chunk option-set matrix clean. Decisions by the assistant under the owner's 8 Nov 2026 delegation.

Question 1 Current Affairs

Why is Somaliland in the highlights nowadays?

- A. Civil War
- B. UN Membership
- C. Israel accepted it ✓ **Correct answer**
- D. Famine

d has been relatively stable, it was not in the news for a civil war.

B. Somaliland is not a member of the United Nations.

C. Israel recognised Somaliland on 26 December 2025, the first country to do so, which put it in the headlines.

D. Famine is not why Somaliland was in the news.

Question 2 General Knowledge

Badminton originated from which country?

- A. USA
- B. France
- C. China
- D. UK ✓ **Correct answer**

A. Badminton did not originate in the USA.

B. An older racket game existed in France, but modern badminton did not originate there.

C. China has ancient racket games, but modern badminton began in England.

D. Modern badminton developed in England (Badminton House, Gloucestershire) in the 19th century.

Question 3 General Knowledge

10 Downing Street is:

- A. British Parliament
- B. Official residence of British PM ✓ **Correct answer**
- C. UN Headquarters
- D. French President Office

A. Parliament meets at Westminster, not 10 Downing Street.

ng Street is the official residence of the British Prime Minister.

C. The UN Headquarters is in New York.

D. The French President's office is the Élysée Palace in Paris.

Question 4 General Knowledge

What is the number of Central Asian States?

- A. 3
- B. 5 ✓ **Correct answer**
- C. 4
- D. 2

A. Too few: there are five Central Asian states.

B. Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.

C. Too few.

D. Too few.

Question 5 General Knowledge

Kyat is the currency of:

- A. Vietnam
- B. Thailand
- C. Myanmar ✓ **Correct answer**
- D. Laos

A. Vietnam's currency is the dong.

B. Thailand's currency is the baht.

C. Myanmar's currency is the kyat.

rency is the kip.

Question 6 General Knowledge

What is the monetary value of the Nobel Prize?

- A. 15 million SEK
- B. 9 million SEK
- C. 11 million SEK ✓ **Correct answer**
- D. 10 million SEK

A. Too high; the prize has never been 15 million SEK.

B. The prize was 9 million SEK in 2017–2019, not now.

C. The prize was raised to 11 million SEK in 2023 and kept at that level since.

D. The 2020–2022 amount, since superseded.

Question 7 Current Affairs

Which country filed a case against Myanmar regarding the Rohingya Genocide?

- A. Pakistan
- B. Malaysia
- C. South Africa
- D. Gambia ✓ **Correct answer**

A. Pakistan did not file the case.

B. Malaysia supported the case but did not file it.

C. South Africa filed the Gaza case against Israel, not this one.

D. The Gambia filed the Rohingya genocide case against Myanmar at the International Court of Justice in November 2019.

8 Current Affairs

HAMAS was founded in 1987 by:

- A. Khaled Mashal
- B. Ismail Haniyeh
- C. Sheikh Ahmad Yasin ✓ **Correct answer**
- D. Yasser Arafat

A. A later Hamas leader, not its founder.

B. A later Hamas leader, not its founder.

C. Sheikh Ahmad Yasin founded Hamas in 1987.

D. Arafat led the PLO and Fatah, not Hamas.

Question 9 Economics

What term describes being carefully hopeless about the economy's future?

- A. Economics boom
- B. Stagflation
- C. Pessimism ✓ **Correct answer**
- D. Cautious optimism

A. A boom is strong growth, the opposite of hopeless.

B. Stagnation plus inflation is an economic condition, not an attitude to the future.

C. Pessimism is a hopeless, negative outlook on the economy's future.

D. Cautious optimism is careful hope, the opposite of hopeless. NOTE: the stem's "carefully hopeless" is awkwardly worded; the answer is decided on the "hopeless" element.

10 Geography

Greenland belongs to:

- A. Asia
- B. Antarctica
- C. North America ✓ **Correct answer**
- D. Europe

A. Greenland is not in Asia.

B. Greenland is not in Antarctica.

C. Greenland sits on the North American continent (politically it is an autonomous territory of Denmark).

D. Denmark is European, but Greenland geographically belongs to North America.

Question 11 General Knowledge

Which Nobel Prize category is decided by Norway?

- A. Literature
- B. Physics
- C. Medicine
- D. Peace ✓ **Correct answer**

A. The Literature prize is decided by the Swedish Academy.

B. The Physics prize is decided by the Royal Swedish Academy of Sciences.

C. The Medicine prize is decided by the Karolinska Institutet.

D. The Peace Prize is decided by the Norwegian Nobel Committee.

12 General Knowledge

Which book was NOT written by Henry Kissinger?

- A. World Order
- B. On China
- C. Diplomacy
- D. Politics and Principles ✓ **Correct answer**

A. Kissinger's book, published 2014.

B. Kissinger's book, published 2011.

C. Kissinger's book, published 1994.

D. Not a book by Henry Kissinger.

Question 13 Islamic Studies

Abdul Aziz Albaz belongs to:

- A. Jordan
- B. UAE
- C. Saudi Arabia ✓ **Correct answer**
- D. Egypt

A. Ibn Baz did not belong to Jordan.

B. Ibn Baz did not belong to the UAE.

C. Abdul Aziz ibn Baz (Ibn Baz) was the Grand Mufti of Saudi Arabia.

D. Ibn Baz did not belong to Egypt.

Question 14 General Knowledge

Ahmed Ben Bella belongs to:

- B. Tunisia
- C. Algeria ✓ **Correct answer**
- D. Morocco

A. Ben Bella did not belong to Libya.

B. Ben Bella did not belong to Tunisia.

C. Ahmed Ben Bella was the first President of Algeria.

D. Ben Bella did not belong to Morocco.

Question 15 General Knowledge

Ceylon is the old name of:

- A. Maldives
- B. Singapore
- C. Myanmar
- D. Sri Lanka ✓ **Correct answer**

A. The Maldives was never called Ceylon.

B. Singapore was never called Ceylon.

C. Myanmar's old name is Burma.

D. Sri Lanka was called Ceylon until 1972.

Question 16 General Knowledge

SAVAK was the secret agency of:

- A. Afghanistan
- B. Turkey
- C. Iraq

n ✓ **Correct answer**

A. Afghanistan's agency was KHAD, not SAVAK.

B. Turkey's agency is MIT, not SAVAK.

C. Iraq's agency was the Mukhabarat, not SAVAK.

D. SAVAK was the Shah of Iran's secret police.

Question 17 General Knowledge

Which country is NOT an ECO member?

- A. Iran
- B. Turkey
- C. Pakistan
- D. Bangladesh ✓ **Correct answer**

A. Iran is a founding member of the Economic Cooperation Organization (ECO).

B. Turkey is a founding member of ECO.

C. Pakistan is a founding member of ECO.

D. Bangladesh is not a member of ECO.

Question 18 General Knowledge

Which was the last state to join the USA?

- A. Alaska
- B. New Mexico
- C. Hawaii ✓ **Correct answer**
- D. Arizona

A. Alaska was the 49th state (January 1959), not the last.

co was the 47th state (1912).

C. Hawaii was the 50th state (August 1959), the last to join.

D. Arizona was the 48th state (1912).

Question 19 General Knowledge

"Long Walk to Freedom" was written by:

- A. Martin Luther King Jr
- B. Mahatma Gandhi
- C. Winston Churchill
- D. Nelson Mandela ✓ **Correct answer**

A. King wrote "Stride Toward Freedom", not "Long Walk to Freedom".

B. Gandhi wrote "The Story of My Experiments with Truth".

C. Churchill wrote "The Second World War".

D. "Long Walk to Freedom" is Mandela's autobiography (1994).

Question 20 General Knowledge

Who is the founder of Oracle Corporation?

- A. Bill Gates
- B. Steve Jobs
- C. Larry Ellison ✓ **Correct answer**
- D. Larry Page

A. Bill Gates co-founded Microsoft, not Oracle.

B. Steve Jobs co-founded Apple, not Oracle.

C. Larry Ellison co-founded Oracle Corporation in 1977.

e co-founded Google, not Oracle.

Question 21 General Knowledge

When is World Environment Day observed?

- A. 22 April
- B. 16 September
- C. 5 June ✓ **Correct answer**
- D. 21 July

A. 22 April is Earth Day.

B. 16 September is World Ozone Day.

C. World Environment Day is observed on 5 June.

D. 21 July is not World Environment Day.

Question 22 Sports

Which female cricketer is in the ICC Hall of Fame?

- A. Belinda Clark ✓ **Correct answer**
- B. Mithali Raj
- C. Ellyse Perry
- D. Sana Mir

A. Belinda Clark was inducted into the ICC Hall of Fame in 2011.

B. Mithali Raj has not been inducted into the ICC Hall of Fame.

C. Ellyse Perry has not been inducted (she is still an active player).

D. Sana Mir was ALSO inducted into the ICC Hall of Fame, in June 2025, so the stem has two correct answers — this is a PICK-ONE (printed key kept).

23 General Knowledge

What is the common natural disaster for Pakistan and Bangladesh?

- A. Droughts
- B. Cyclones
- C. Earthquakes
- D. Floods ✓ **Correct answer**

A. Droughts occur in both countries but are not their shared headline disaster.

B. Cyclones strike Bangladesh regularly but rarely reach Pakistan.

C. Earthquakes affect Pakistan far more than Bangladesh.

D. Both Pakistan and Bangladesh suffer devastating monsoon floods.

Question 24 General Knowledge

Which is a worldwide digital currency not issued by any government?

- A. Ripple
- B. Litecoin
- C. Bitcoin ✓ **Correct answer**
- D. None

A. Ripple (XRP) is a company-associated payment token, not the decentralised currency the stem means.

B. Litecoin is a smaller cryptocurrency, not the canonical worldwide digital currency.

C. Bitcoin is the worldwide decentralised digital currency, issued by no government.

D. Bitcoin fits the description, so "none" is wrong.

25 Pakistan Studies

The 27th Amendment relates to:

- A. Education
- B. Finance
- C. Provinces & Judiciary ✓ **Correct answer**
- D. Health

A. The 27th Amendment does not deal with education.

B. The 27th Amendment does not deal with finance.

C. The 27th Amendment (November 2025) created the Federal Constitutional Court with equal provincial representation and restructured the judiciary.

D. The 27th Amendment does not deal with health.

Question 26 Current Affairs

Pakistan FM visited which country after 13 years?

- A. Iran
- B. Turkey
- C. Bangladesh ✓ **Correct answer**
- D. Saudi Arabia

A. Pakistani foreign ministers visit Iran frequently.

B. Pakistani foreign ministers visit Turkey frequently.

C. Foreign Minister Ishaq Dar visited Dhaka in August 2025, the first Pakistani foreign minister visit to Bangladesh in 13 years.

D. Pakistani foreign ministers visit Saudi Arabia frequently.

27 Current Affairs

Which country provided the most FDI in Pakistan in 2025?

- A. China ✓ **Correct answer**
- B. USA
- C. UAE
- D. Saudi Arabia

A. China is the largest source of foreign direct investment into Pakistan (CPEC-related inflows).

B. The USA invests in Pakistan but at a smaller scale than China.

C. The UAE invests in Pakistan but at a smaller scale than China.

D. Saudi Arabia invests in Pakistan but at a smaller scale than China.

Question 28 Economics

To which country are Pakistan's textile exports mostly sent?

- A. Germany
- B. China
- C. UK
- D. USA ✓ **Correct answer**

A. Germany is a market for Pakistani textiles but not the largest.

B. Pakistan imports far more from China than it exports in textiles.

C. The UK is a major market but not the largest.

D. The USA is the single largest destination for Pakistan's textile exports.

29 Pakistan Studies

In which year did Pakistan receive EU GSP+ status?

- A. 2017
- B. 2015
- C. 2016
- D. 2014 ✓ **Correct answer**

A. Pakistan did not receive GSP+ in 2017.

B. Pakistan did not receive GSP+ in 2015.

C. Pakistan did not receive GSP+ in 2016.

D. Pakistan was granted EU GSP+ status from 1 January 2014.

Question 30 Pakistan Studies

The Federal Court was formed under:

- A. Article 175 ✓ **Correct answer**
- B. Article 51
- C. Article 199
- D. Article 184

A. The 27th Amendment (2025) inserted the Federal Constitutional Court into Article 175(1) of the Constitution (detailed provisions in Articles 175B–175F).

B. Article 51 deals with National Assembly seats, not the court.

C. Article 199 deals with High Court jurisdiction.

D. Article 184 was the Supreme Court's old original jurisdiction, omitted by the 27th Amendment.

31 General Knowledge

What is the main issue with Pakistan's business climate?

- A. Energy shortages
- B. Political instability
- C. Bureaucratic hurdles
- D. All of them ✓ **Correct answer**

A. Energy shortages are a real problem, but only one of several.

B. Political instability is a real problem, but only one of several.

C. Bureaucratic hurdles are a real problem, but only one of several.

D. Energy shortages, political instability and bureaucratic hurdles all hold back Pakistan's business climate.

Question 32 Urdu Literature

Which book was NOT written by Faiz Ahmed Faiz?

- A. Dast-e-Saba
- B. Zindan Nama
- C. Sar-e-Wadi-e-Seena
- D. Nuskha-ha-e-Wafa

No answer is given for this question, and none is taught. No correct option (DEFECTIVE — excluded from served count)

A. This IS by Faiz Ahmed Faiz (his second collection, 1952).

B. This IS by Faiz (1956).

C. This IS by Faiz (1971).

D. This IS by Faiz: it is his collected poetry (Rekhta lists it as his complete poetry, gathering

ions). All four options were written by Faiz, so no option answers "NOT written by Faiz" — the printed key D is wrong and the question is DEFECTIVE. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 33 Pakistan Studies

Kartarpur Corridor operational year:

- A. 2021
- B. 2019 ✓ **Correct answer**
- C. 2018
- D. 2020

A. The corridor was already open by 2021.

B. The Kartarpur Corridor opened on 9 November 2019.

C. The foundation stone was laid in 2018, but the corridor was not operational then.

D. The corridor was already open by 2020.

Question 34 Pakistan Studies

Who was the only Vice President of Pakistan?

- A. Fazal Ilahi
- B. Zulfikar Ali Bhutto
- C. Nur ul Amin ✓ **Correct answer**
- D. Iskander Mirza

A. Fazal Ilahi Chaudhry was President (1973–78), never Vice President.

B. Bhutto was President and Prime Minister, never Vice President.

C. Nurul Amin was Vice President in 1970–71 under Yahya Khan — the only person ever to hold the office.

Mirza was Governor-General and President, never Vice President.

Question 35 Pakistan Studies

Who was not a member of the first cabinet?

- A. I.I. Chundrigar
- B. Liaquat Ali Khan
- C. M.A. Bogra ✓ **Correct answer**
- D. Ghulam Muhammad

A. Chundrigar was a member of the first cabinet (1947).

B. Liaquat Ali Khan was the first Prime Minister and headed the first cabinet.

C. Muhammad Ali Bogra was ambassador to the USA in 1947; he entered government later (Prime Minister, 1953).

D. Ghulam Muhammad was Finance Minister in the first cabinet.

Question 36 Geography

The Wakhan Corridor connects Afghanistan to:

- A. Uzbekistan
- B. Tajikistan
- C. Kyrgyzstan
- D. China ✓ **Correct answer**

A. Uzbekistan borders Afghanistan, but not through the Wakhan Corridor.

B. Tajikistan borders the Wakhan strip, but the corridor runs east to China.

C. Kyrgyzstan does not border Afghanistan at all.

D. The Wakhan Corridor is the narrow strip linking Afghanistan to Xinjiang, China.

37 Geography

What is the largest industry near the Karachi coast?

- A. Tourism
- B. Salt mining
- C. Shipbuilding
- D. Fish industry ✓ **Correct answer**

A. Coastal tourism near Karachi is small.

B. Salt mining is minor near Karachi.

C. Karachi Shipyard exists, but shipbuilding is smaller than fisheries.

D. Karachi's coast supports Pakistan's largest fishing industry and fish harbour.

Question 38 Urdu Literature

"Awaz-e-Dost" was written by:

- A. Quratulain Hyder
- B. Ashfaq Ahmed
- C. Bano Qudsia
- D. Mukhtar Masood ✓ **Correct answer**

A. Quratulain Hyder wrote "Aag Ka Darya", not "Awaz-e-Dost".

B. Ashfaq Ahmed wrote "Zavia", not "Awaz-e-Dost".

C. Bano Qudsia wrote "Raja Gidh", not "Awaz-e-Dost".

D. Mukhtar Masood wrote "Awaz-e-Dost".

Question 39 Sports

Pakistan reached the hockey final after 11 years in which event?

- B. Olympics
- C. Asian Games
- D. FIH Nation Cup ✓ **Correct answer**

A. Pakistan did not reach a hockey final at the Commonwealth Games.

B. Pakistan last played an Olympic hockey final in 1984.

C. At the 2023 Asian Games Pakistan played the 5th-place match (beating Malaysia 5–2), not the final.

D. Pakistan beat France in a penalty shootout and reached the FIH Nations Cup final in June 2025 — its first international hockey final in 11 years.

Question 40 Current Affairs

Which country left the Paris Agreement (according to a 2025 report)?

- A. China
- B. Brazil
- C. Russia
- D. USA ✓ **Correct answer**

A. China remains in the Paris Agreement.

B. Brazil remains in the Paris Agreement.

C. Russia remains in the Paris Agreement.

D. The USA under President Trump ordered withdrawal from the Paris Agreement in January 2025 — the second US exit.

Question 41 Current Affairs

Which country did Pakistan purchase the JF-17 from (recently)?

Key

- B. Egypt
- C. Azerbaijan ✓ **Correct answer**
- D. Qatar

A. Turkey has no JF-17 deal with Pakistan.

B. Egypt has no JF-17 deal with Pakistan.

C. Azerbaijan is the country in the recent JF-17 deal with Pakistan (it bought JF-17 Block III aircraft from Pakistan in 2024).

D. Qatar has no JF-17 deal with Pakistan. NOTE: the stem reverses buyer and seller — Azerbaijan bought the JF-17 FROM Pakistan; Pakistan did not buy it from Azerbaijan. The country in the deal (Azerbaijan) is unchanged.

Question 42 Economics

What is the closest tax-to-GDP ratio for 2025-26?

- A. 14%
- B. 12%
- C. 8%
- D. 10% ✓ **Correct answer**

A. Well above Pakistan's tax-to-GDP ratio.

B. Above Pakistan's ratio.

C. Below Pakistan's ratio of about 10%.

D. Closest to Pakistan's tax-to-GDP ratio of about 10% in 2025-26.

Question 43 Current Affairs

What was the theme of Wetlands Day 2026?

tainable Wetlands

- B. Wetlands for Future
- C. Wetlands and Climate Change
- D. Wetlands & Traditional Knowledge ✓ **Correct answer**

A. Not the 2026 theme.

B. Not the 2026 theme.

C. Not the 2026 theme.

D. The 2026 theme (2 February 2026) is "Wetlands and Traditional Knowledge: Celebrating Cultural Heritage" (Ramsar Convention / UNESCO).

Question 44 Current Affairs

Which country was removed from the FATF Grey List in 2025?

- A. France
- B. Canada
- C. UK
- D. USA

No answer is given for this question, and none is taught. No correct option (DEFECTIVE — excluded from served count)

A. France was never on the FATF grey list.

B. Canada was never on the FATF grey list.

C. The UK was never on the FATF grey list.

D. The USA was never on the FATF grey list. The countries actually removed from the grey list in 2025 were the Philippines (February 2025) and Burkina Faso, Mozambique, Nigeria and South Africa (October 2025) — none of them is among the options. The printed key D is wrong and the question is DEFECTIVE. Decided by assistant under owner's 8 Nov 2026

Question 45 Current Affairs

Bangladesh election date:

- A. 15 Mar 2026
- B. 12 Feb 2026 ✓ **Correct answer**
- C. 20 May 2026
- D. 10 Jan 2026

A. Not the election date.

B. Bangladesh's 13th parliamentary election (with a referendum) was held on 12 February 2026.

C. Not the election date.

D. Not the election date; the Election Commission's schedule fixed 12 February 2026.

Question 46 Sports

Which famous boxer died in March 2025?

- A. Mike Tyson
- B. Joe Frazier
- C. Muhammad Ali
- D. George Foreman ✓ **Correct answer**

A. Mike Tyson is alive.

B. Joe Frazier died in 2011, not in March 2025.

C. Muhammad Ali died in 2016, not in March 2025.

D. George Foreman died on 21 March 2025, aged 76.

47 Islamic Studies

Ahmad Al-Haddad belonged to:

- A. Jordan
- B. Egypt
- C. Libya
- D. Sudan

No answer is given for this question, and none is taught. No correct option (DEFECTIVE — excluded from served count)

A. No notable Ahmad al-Haddad belongs to Jordan.

B. No notable Egyptian bearer of the name was found; the printed key is not supported.

C. No notable Ahmad al-Haddad belongs to Libya.

D. No notable Ahmad al-Haddad belongs to Sudan. The best-known Ahmad al-Haddad is the Grand Mufti of Dubai, United Arab Emirates (in office since 2011) — the UAE is not among the options — and the stem identifies no particular person at all. The question is DEFECTIVE. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 48 Current Affairs

Shahid Usman, killed in Bangladesh, was a:

- A. Politician
- B. Student leader ✓ **Correct answer**
- C. Scientist
- D. Sportsman

A. He was a parliamentary candidate, but he was known as a student/youth leader, not an established politician.

B. Sharif Osman bin Hadi, rendered "Shahid Usman" in the reproduction, was a leader of

student uprising and spokesperson of Inqilab Moncho; he was shot in Dhaka on 12 December 2025 and died on 18 December 2025.

C. He was not a scientist.

D. He was not a sportsman. NOTE: the name in the stem is garbled — "Shahid Usman" stands for Sharif Osman (bin) Hadi.

Question 49 Current Affairs

PIA was purchased by:

- A. Lucky Group
- B. Arif Habib Consortium ✓ **Correct answer**
- C. Hashoo Group
- D. JS Group

A. The Lucky Group bid for PIA but did not win.

B. The Arif Habib Consortium won the December 2025 privatisation bid for Pakistan International Airlines.

C. The Hashoo Group did not win the PIA bid.

D. The JS Group did not win the PIA bid.

Question 50 Geography

Lawari Top connects Peshawar with:

- A. Gilgit
- B. Skardu
- C. Chitral ✓ **Correct answer**
- D. Swat

A. Gilgit is reached via the Karakoram Highway/Babusar, not Lawari.

reached via the Karakoram Highway, not Lawari.

C. The Lowari Pass (Lawari Top) links Dir to Chitral on the Peshawar–Chitral road.

D. Swat is reached via Malakand, not Lawari.

Question 51 Geography

Largest ocean:

- A. Arctic
- B. Indian
- C. Atlantic
- D. Pacific ✓ **Correct answer**

A. The Arctic is the smallest ocean.

B. The Indian Ocean is the third largest.

C. The Atlantic is the second largest.

D. The Pacific is the largest ocean.

Question 52 Everyday Science

HS-1 satellite is:

- A. Hybrid satellite
- B. Hypersonic strike
- C. Hyperspectral Earth observation ✓ **Correct answer**
- D. High-speed orbital

A. HS-1 is not a "hybrid satellite".

B. HS-1 is not a weapon.

C. HS-1 is Pakistan's first hyperspectral Earth-observation satellite, launched on 19

D. "High-speed orbital" is not a satellite type.

Question 53 Everyday Science

Milk is stored after reception in:

- A. Coolers
- B. Silos
- C. Chillers ✓ **Correct answer**
- D. Warehouse

A. "Cooler" is generic cooling, not the dairy-plant term.

B. Silos store grain, not milk.

C. Received milk is held in chilled storage tanks (chillers) at a dairy plant.

D. A warehouse stores packaged goods, not raw milk.

Question 54 Everyday Science

Fruit ripening requires:

- A. Water
- B. Enzymes
- C. Hormones ✓ **Correct answer**
- D. Sunlight

A. Water is needed for growth, not the ripening trigger.

B. Enzymes act during ripening, but the trigger is hormonal.

C. Plant hormones, above all ethylene, trigger and control fruit ripening.

D. Sunlight helps growth, but it is not the ripening trigger.

55 Everyday Science

Sucrose is a combination of:

- A. Glucose+Glucose
- B. Fructose+Glucose
- C. Glucose+Fructose ✓ **Correct answer**
- D. Fructose+Fructose

A. Glucose + glucose is maltose, not sucrose.

B. The same two monosaccharides as C, only in the other order, so it is equally correct — this is a PICK-ONE (printed key kept).

C. Sucrose is glucose + fructose.

D. No common disaccharide is fructose + fructose.

Question 56 Everyday Science

More than two species form:

- A. Ecosystem
- B. Biosphere
- C. Biome
- D. Community ✓ **Correct answer**

A. An ecosystem is a community plus its non-living environment.

B. The biosphere is the whole life zone of the Earth.

C. A biome is a large regional community type.

D. A community is the populations of different species living together in an area.

57 Everyday Science

Purest form of coal:

- A. Lignite
- B. Anthracite ✓ **Correct answer**
- C. Bituminous
- D. Peat

A. Lignite is the lowest rank of coal, with the most impurities.

B. Anthracite has the highest carbon content and is the purest form of coal.

C. Bituminous is a middle-rank coal.

D. Peat is not yet coal; it has the lowest carbon content.

Question 58 Everyday Science

Forest percentage required for ecosystem:

- A. 25%
- B. 20%
- C. 33% ✓ **Correct answer**
- D. 15%

A. Below the standard textbook figure.

B. Below the standard textbook figure.

C. The textbook recommendation is about one-third (33%) forest cover for ecological balance.

D. Below the standard textbook figure.

59 Everyday Science

Primary start codon:

- A. UGA
- B. UAG
- C. AUG ✓ **Correct answer**
- D. UAA

A. UGA is a stop codon.

B. UAG is a stop codon.

C. AUG is the start codon (it codes for methionine).

D. UAA is a stop codon.

Question 60 Everyday Science

Charged particles from the sun:

- A. Cosmic wind
- B. Radiation
- C. Solar wind ✓ **Correct answer**
- D. Solar flares

A. "Cosmic wind" is not the term for the sun's charged particles.

B. Radiation is energy, not a stream of charged particles.

C. The solar wind is the stream of charged particles flowing out from the sun.

D. Solar flares are sudden bursts, not the continuous stream of particles.

Question 61 Everyday Science

Chemical nature of enzymes:

- B. Carbohydrates
- C. Nucleic acids
- D. Polypeptides ✓ **Correct answer**

A. Lipids are fats, not enzymes.

B. Carbohydrates are sugars, not enzymes.

C. Nucleic acids are DNA and RNA, not enzymes (except ribozymes).

D. Enzymes are proteins, i.e. polypeptide chains.

Question 62 Everyday Science

Chemical formula of quartz:

- A. Al2O3
- B. FeO
- C. SiO2 ✓ **Correct answer**
- D. CaCO3

A. Al2O3 is alumina.

B. FeO is iron(II) oxide.

C. SiO2 is silicon dioxide, i.e. quartz.

D. CaCO3 is calcium carbonate (limestone/marble).

Question 63 Everyday Science

DNA cutting process:

- A. Translation
- B. Transcription
- C. Restriction ✓ **Correct answer**

A. Translation is protein synthesis.

B. Transcription is RNA synthesis.

C. Restriction enzymes cut DNA.

D. Replication is DNA copying.

Question 64 Everyday Science

Ribosomes factory:

- A. Nucleus
- B. Cytoplasm
- C. Endoplasmic reticulum
- D. Nucleolus ✓ **Correct answer**

A. The nucleus contains the nucleolus but is not itself the ribosome factory.

B. The cytoplasm is where ribosomes work, not where they are made.

C. Rough endoplasmic reticulum carries ribosomes; it does not make them.

D. Ribosomal RNA is made and ribosomal subunits are assembled in the nucleolus.

Question 65 Everyday Science

Earthquake waves pass through:

- A. Plasma
- B. Liquid
- C. Gas
- D. Solid ✓ **Correct answer**

A. Seismic waves do not travel through plasma.

cannot pass through liquid (only P-waves can).

C. Seismic waves do not travel through gas.

D. Earthquake (seismic) waves travel through the solid Earth; this is the standard textbook answer. NOTE: P-waves also traverse liquid, but the stem follows the standard S-wave / solid-Earth convention.

Question 66 Everyday Science

Wildfire management factors:

- A. Dry vegetation
- B. Low humidity
- C. High temperature
- D. All of them ✓ **Correct answer**

A. Dry vegetation raises wildfire risk, but it is only one factor.

B. Low humidity raises wildfire risk, but it is only one factor.

C. High temperature raises wildfire risk, but it is only one factor.

D. Dry vegetation, low humidity and high temperature all drive wildfires.

Question 67 Everyday Science

Waste from living things:

- A. Fossil fuel
- B. Biomass ✓ **Correct answer**
- C. Compost
- D. Biogas

A. Fossil fuel is ancient buried organic matter, not fresh waste from living things.

B. Biomass is organic matter and waste from living things.

s decomposed organic matter, a product made from waste.

D. Biogas is gas produced from waste, not the waste itself.

Question 68 Everyday Science

Bond in a water molecule:

- A. Hydrogen bond
- B. Metallic bond
- C. Ionic bond
- D. Covalent bond ✓ **Correct answer**

A. Hydrogen bonds hold water molecules to each other, not the atoms inside one molecule.

B. Metallic bonds occur in metals only.

C. Ionic bonds occur in salts, not in water.

D. Oxygen and hydrogen share electrons in H2O, a covalent bond.

Question 69 Everyday Science

CO2 fixation in chloroplast:

- A. Lumen
- B. Thylakoid
- C. Stroma ✓ **Correct answer**
- D. Outer membrane

A. The lumen is inside the thylakoid, where the light reactions run.

B. The thylakoid is the site of the light-dependent reactions.

C. The Calvin cycle fixes CO2 in the stroma.

membrane is only a boundary.

Question 70 Everyday Science

Ethanol fuel name:

- A. Carbon neutral ✓ **Correct answer**
- B. Renewable fuel
- C. Carbon positive
- D. Carbon negative

A. Ethanol is commonly described as a carbon-neutral fuel (the CO2 it releases is offset by the plants grown to make it).

B. Ethanol is also a renewable (bio) fuel, so this is equally correct — this is a PICK-ONE (printed key kept).

C. "Carbon positive" is the opposite of the claim made for ethanol.

D. Ethanol does not remove more CO2 than it emits.

Question 71 Everyday Science

Planet with the highest density:

- A. Mercury
- B. Mars
- C. Venus
- D. Earth ✓ **Correct answer**

A. Mercury is dense (about 5.43 g/cm^3) but below Earth.

B. Mars has a density of about 3.93 g/cm^3.

C. Venus has a density of about 5.24 g/cm^3.

D. Earth has a density of about 5.51 g/cm^3, the highest of any planet.

72 Everyday Science

Coating metal in cans:

- A. Zinc
- B. Aluminum
- C. Chromium
- D. Tin ✓ **Correct answer**

A. Zinc galvanises steel; it is not the food-can coating.

B. Cans are made of aluminium, not coated with it.

C. Chromium is not the can coating.

D. Tinplate: steel cans are coated with tin to prevent rust and reaction with food.

Question 73 Everyday Science

Nuclear energy % world:

- A. 15%
- B. 20%
- C. 10% ✓ **Correct answer**
- D. 5%

A. Too high; nuclear is about 10% of world electricity.

B. Too high.

C. Nuclear power supplies about 10% of the world's electricity.

D. Too low.

Question 74 Everyday Science

Sedimentation belongs to:

ondary treatment

- B. Primary treatment ✓ **Correct answer**
- C. Tertiary treatment
- D. Disinfection

A. Secondary treatment is biological treatment.

B. Sedimentation settles solids out first, in primary treatment.

C. Tertiary treatment is advanced polishing.

D. Disinfection kills germs, a later step.

Question 75 Everyday Science

Smog particle:

- A. Carbon monoxide
- B. Ozone
- C. Sulfur dioxide
- D. Particulate matter ✓ **Correct answer**

A. Carbon monoxide is a gas, not a particle.

B. Ozone is a gas.

C. Sulfur dioxide is a gas.

D. Particulate matter is the tiny solid and liquid particles in smog.

Question 76 Everyday Science

Removing the edible central part:

- A. Coring ✓ **Correct answer**
- B. Slicing
- C. Peeling

A. Coring is removing the central core (e.g. of an apple).

B. Slicing is cutting into slices.

C. Peeling is removing the skin.

D. Pitting is removing the stone or pit.

Question 77 Everyday Science

Phanerozoic era includes:

- A. Precambrian
- B. Archean
- C. Paleozoic ✓ **Correct answer**
- D. Hadean

A. The Precambrian is the time before the Phanerozoic.

B. The Archean is part of the Precambrian.

C. The Paleozoic is the first era of the Phanerozoic (followed by the Mesozoic and Cenozoic).

D. The Hadean is the earliest eon, before the Archean.

Question 78 Everyday Science

Peak intensity of a star is proportional to:

- A. T
- B. T4 ✓ **Correct answer**
- C. T-1
- D. T-2

dependence is not the radiation law.

B. By the Stefan–Boltzmann law, radiated intensity is proportional to the fourth power of absolute temperature (T^4).

C. An inverse dependence is wrong.

D. An inverse-square dependence is wrong. NOTE: strictly the T^4 law gives total radiated intensity; the stem follows the standard textbook form.

Question 79 Computer Science

Arranging data by characteristics:

- A. Tabulation
- B. Organization
- C. Classification ✓ **Correct answer**
- D. Categorization

A. Tabulation is presenting data in tables.

B. Organization is general arranging, not the technical term.

C. Classification is grouping data by shared characteristics.

D. Categorization is a near-synonym, but classification is the statistics term used here.

Question 80 Computer Science

AI model supporting humanoids:

- A. Tesla Vision
- B. Atlas
- C. Helix ✓ **Correct answer**
- D. Optima

A. Tesla Vision is Tesla's car vision system, not a humanoid AI model.

ston Dynamics' humanoid ROBOT, not an AI model.

C. Helix is Figure AI's vision-language-action model that controls humanoid robots (announced February 2025).

D. Optima is not a humanoid AI model.

Question 81 Computer Science

AI embedded physically real-time:

- A. Embedded AI ✓ **Correct answer**
- B. General AI
- C. Machine Learning
- D. Neural AI

A. Embedded AI is artificial intelligence built into physical devices, running in real time.

B. General AI is human-level AI, not device-embedded AI.

C. Machine learning is a method, not the embedded form.

D. "Neural AI" is not the standard term.

Question 82 Computer Science

Chart showing time trends:

- A. Histogram
- B. Pie chart
- C. Bar chart
- D. Line chart ✓ **Correct answer**

A. A histogram shows a frequency distribution.

B. A pie chart shows shares of a whole.

t compares categories.

D. A line chart shows change over time.

Question 83 Computer Science

Patch software function:

- A. Upgrade OS
- B. Add features
- C. Improve performance
- D. Fix bugs & security ✓ **Correct answer**

A. Upgrading the operating system is a version upgrade, not a patch.

B. A patch fixes things; adding features is not its purpose.

C. Better performance may follow, but it is not the purpose of a patch.

D. A patch fixes bugs and security holes.

Question 84 Computer Science

Advanced monitor panels:

- A. LCD
- B. CRT
- C. Plasma
- D. IPS ✓ **Correct answer**

A. LCD is the general display type, not the advanced panel.

B. CRT is the old tube monitor.

C. Plasma is an old flat-panel type.

D. IPS (in-plane switching) is the advanced LCD panel type, with wide viewing angles and

Question 85 Computer Science

ARP stands for:

- A. Automatic routing protocol
- B. Advanced resolution process
- C. Address resolution protocol ✓ **Correct answer**
- D. Address routing protocol

A. Not what ARP stands for.

B. Not what ARP stands for.

C. ARP maps IP addresses to MAC addresses.

D. Not what ARP stands for.

Question 86 Computer Science

Compiler function:

- A. Runs program
- B. Links libraries
- C. Finds errors
- D. Converts into machine code ✓ **Correct answer**

A. The operating system and CPU run the program.

B. The linker links libraries.

C. A compiler reports errors, but its function is translation.

D. A compiler translates source code into machine code.

87 Computer Science

Not a programming language:

- A. Java
- B. Python
- C. MS Word ✓ **Correct answer**
- D. C++

A. Java is a programming language.

B. Python is a programming language.

C. MS Word is word-processing software, not a programming language.

D. C++ is a programming language.

Question 88 Computer Science

Slides in PowerPoint:

- A. 100
- B. Unlimited ✓ **Correct answer**
- C. 50
- D. 500

A. PowerPoint has no 100-slide limit.

B. PowerPoint sets no fixed limit on the number of slides.

C. PowerPoint has no 50-slide limit.

D. PowerPoint has no 500-slide limit.

Question 89 Computer Science

First email sent in:

- B. 1971 ✓ **Correct answer**
- C. 1969
- D. 1983

A. Early mail systems existed, but the first network email came later.

B. Ray Tomlinson sent the first ARPANET email in 1971.

C. ARPANET began in 1969, but email came in 1971.

D. Far too late for the first email.

Question 90 Computer Science

Software embedded in hardware:

- A. Software
- B. Middleware
- C. Firmware ✓ **Correct answer**
- D. Hardware

A. Software is general programs, not hardware-embedded code.

B. Middleware is software between systems.

C. Firmware is software embedded in hardware.

D. Hardware is the physical device itself.

Question 91 Mathematics

175% of a number is 49; what is the number?

- A. 28 ✓ **Correct answer**
- B. 31
- C. 29

A. 1.75 × 28 = 49.

B. 1.75 × 31 = 54.25, not 49.

C. 1.75 × 29 = 50.75, not 49.

D. 1.75 × 30 = 52.5, not 49.

Question 92 Mathematics

Mutually exclusive events relation:

- A. A∪B
- B. A∩B=∅ ✓ **Correct answer**
- C. A∩B=S
- D. A=B

A. A∪B is the union of the events, not the relation between exclusive events.

B. Mutually exclusive events have no outcome in common, so their intersection is the empty set.

C. That would mean the intersection is the whole sample space.

D. Equal events, not exclusive ones. NOTE: the reproduction prints option A as "AUB"; the union symbol is restored here.

Question 93 Mathematics

10! / 7! = ?

- A. 820
- B. 1020
- C. 920
- D. 720 ✓ **Correct answer**

B. Not the value.

C. Not the value.

D. 10!/7! = 10 × 9 × 8 = 720.

Question 94 Mathematics

If 45% = 135, what is the total number of students?

- A. 300 ✓ **Correct answer**
- B. 250
- C. 350
- D. 450

A. 135 ÷ 0.45 = 300.

B. 45% of 250 is 112.5, not 135.

C. 45% of 350 is 157.5, not 135.

D. 45% of 450 is 202.5, not 135.

Question 95 Mathematics

Median of 7 calls (assuming values are sorted: 11, 13, 14, 15, 16, 17, 18):

- A. 11
- B. 15 ✓ **Correct answer**
- C. 13
- D. 14

A. 11 is the smallest value, not the median.

B. 15 is the 4th of 7 sorted values, the middle one.

nd value.

D. 14 is the 3rd value.

Question 96 Mathematics

Solve: 3(x - 1) = -6

- A. -2
- B. -1 ✓ **Correct answer**
- C. 0
- D. 2

A. 3(−2 − 1) = −9, not −6.

B. 3(−1 − 1) = −6.

C. 3(0 − 1) = −3, not −6.

D. 3(2 − 1) = 3, not −6.

Question 97 Mathematics

Percentage increase from 72 to 90:

- A. 15%
- B. 30%
- C. 35%
- D. 25% ✓ **Correct answer**

A. Too small: the rise is 18 on 72.

B. Too large.

C. Too large.

D. (90 − 72)/72 = 18/72 = 25%.

98 Mathematics

Surface area of a cube (with side length 4):

- A. 80 cm²
- B. 96 cm² ✓ **Correct answer**
- C. 100 cm²
- D. 72 cm²

A. Not the surface area.

B. $6 \times 4^2 = 6 \times 16 = 96$ cm².

C. Not the surface area.

D. Not the surface area.

Question 99 Mathematics

If √t = 1/2, evaluate the expression (using log rules):

- A. √log2/t
- B. log2/t
- C. log2√t
- D. √(log2/t²)

No answer is given for this question, and none is taught. No correct option (DEFECTIVE — excluded from served count)

A. An expression, not a value, and no expression to evaluate is given.

B. An expression, not a value, and no expression to evaluate is given.

C. An expression, not a value: the printed key is itself an expression, not an answer to anything asked.

D. An expression, not a value, and no expression to evaluate is given. The stem never

expression is to be evaluated, with √t = 1/2, log2√t would equal −1, but −1 is not among the options. No option can be correct as written. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 100 Mathematics

Simplify $(5p - 6q)^2 + (5p + 6q)^2$:

- A. $50p^2 + 72q^2$ ✓ **Correct answer**
- B. $25p^2 + 36q^2$
- C. $25p^2 - 36q^2$
- D. $50p^2 + 36q^2$

A. $(25p^2 - 60pq + 36q^2) + (25p^2 + 60pq + 36q^2) = 50p^2 + 72q^2$.

B. Only one square, missing the doubling.

C. The difference of squares, not this sum.

D. The q^2 term is wrong: $36q^2 + 36q^2 = 72q^2$, not $36q^2$.

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