Junior Admin Officer (BPS-16), Ministry of Defence — 2000 · Solved Past Paper

Body: Federal Public Service Commission (FPSC) · **Post:** Junior Admin Officer (BPS-16), Ministry of Defence · **Year:** 2000 · **Questions:** 100 in the original paper — **100 solved and verified**, none excluded · **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 2000 sitting.

Source note: atifpedia.blogspot.com transcription of the Imtiaz Shahid book's Model Paper 12 (Junior Admin Officer in Ministry of Defence, 2000), https://atifpedia.blogspot.com/2020/03/fpsc-admin-officer-ministary-of-defence-2000.html, fetched 9 Nov 2026 and re-read 13 Nov 2026; the paper's identity is confirmed by the book's contents (61st edition, Model Paper 22, book p. 170; 50th edition, Model Paper 12, book p. 62) and by the book scan, whose printed Answer Key on book p. 67 (PDF p. 79) agrees with the transcription's keys on the questions read there. Eight printed-key errors are corrected openly in the file (Q21, Q49, Q54, Q64, Q68, Q84, Q91, Q94), one blank key is filled (Q48 Australia), and two items are PICK-ONE (Q44, Q81), all decided by the assistant under the owner's 8 Nov 2026 delegation. Dedup 13 Nov 2026 vs the live library (580 papers, 52,675 stems): 8 exact + 0 first-8-words single-question matches — question reuse across sittings, not a duplicate paper.

Question 1 Everyday Science

The hottest planet is:

- A. Mercury

us ✓ **Correct answer**

- C. Jupiter
- D. Saturn

Note: Venus is the hottest planet: its thick carbon-dioxide atmosphere traps heat (the greenhouse effect), so its surface is about 465 C, hotter than Mercury even though Mercury is nearer the Sun.

Question 2 Pakistan Studies

When Pakistan became Islamic Republic?

- A. 1956 ✓ **Correct answer**
- B. 1954
- C. 1962
- D. 1973

Note: Pakistan became an Islamic Republic with the Constitution of 1956, enforced on 23 March 1956; the country was renamed the Islamic Republic of Pakistan.

Question 3 Pakistan Studies

Who headed the Simla Deputation?

- A. Abul Kalam Azad
- B. Muhammad Ali Jauhar
- C. Nawab Salimullah of Dhaka
- D. Sir Agha Khan ✓ **Correct answer**

Note: The Simla Deputation of 1906 was headed by Sir Agha Khan (Aga Khan III); it met the Viceroy, Lord Minto, to ask for separate electorates for Muslims.

Question 4 Pakistan Studies

When Simla Conference held?

5 ✓ Correct answer

- B. 1942
- C. 1940
- D. 1905

Note: The Simla Conference was held in June-July 1945, when Viceroy Lord Wavell called Indian leaders to discuss the Wavell Plan.

Question 5 Pakistan Studies

Who made the National Muhammadan Association?

- A. Justice Amir Ali ✓ **Correct answer**
- B. Sir Syed Ahmad Khan
- C. Maulana Shaukat Ali
- D. None of these

Note: Justice Syed Amir Ali founded the National Muhammadan Association in Calcutta in 1877 to promote Muslim political and educational interests.

Question 6 General Knowledge

Which country is the member of NATO?

- A. Kuwait
- B. Pakistan
- C. Egypt
- D. Turkey ✓ **Correct answer**

Note: Turkey has been a NATO member since 1952; Kuwait, Pakistan and Egypt are not NATO members.

Question 7 Pakistan Studies

Who was the founder of M.S.F?

- B. Hamid Nizami ✓ **Correct answer**
- C. Hakim Ajmal Khan
- D. Sir Agha Khan

Note: The Muslim Students Federation, the student wing of the Muslim League, was founded in 1937; Hamid Nizami is named in the book as its founder.

Question 8 Current Affairs

When Pakistan became the member of NAM?

- A. 1979 ✓ **Correct answer**
- B. 1977
- C. 1975
- D. 1974

Note: Pakistan joined the Non-Aligned Movement in 1979, at the Havana summit.

Question 9 Geography

PANAMA canal connects:

- A. Red Sea - Black Sea
- B. Atlantic Ocean - Indian Ocean
- C. Pacific - Atlantic ✓ **Correct answer**
- D. Arabian - Dead Sea

Note: The Panama Canal joins the Atlantic Ocean (Caribbean side) to the Pacific Ocean across the Isthmus of Panama.

Question 10 Current Affairs

When Pakistan became the member of CENTO?

- B. 1955 ✓ **Correct answer**
- C. 1956
- D. 1979

Note: Pakistan joined the Baghdad Pact, later CENTO, in 1955, the year the pact was signed.

Question 11 Geography

Smallest river is:

- A. Chenab
- B. Sutlej
- C. Jhelum
- D. Ravi ✓ **Correct answer**

Note: Of the five rivers of the Punjab, the Ravi is the smallest in length and flow.

Question 12 Islamic Studies

Which is the oldest Holy Book?

- A. Torah ✓ **Correct answer**
- B. Zabur
- C. Injeel
- D. Quran Pak

Note: Of the four books named, the Torah (Tawrat), revealed to Musa, is the earliest; the Zabur, Injeel and Quran came later.

Question 13 Pakistan Studies

Objective Resolution was passed by Constituent Assembly in:

- B. 1949 ✓ **Correct answer**
- C. 1947
- D. 1951

Note: The Objectives Resolution was passed by Pakistan's first Constituent Assembly on 12 March 1949.

Question 14 Pakistan Studies

When Quaid-i-Azam resigned the Imperial Legislative Council?

- A. 1917
- B. 1919 ✓ **Correct answer**
- C. 1920
- D. 1921

Note: Jinnah resigned from the Imperial Legislative Council in 1919 in protest against the Rowlatt Act.

Question 15 Pakistan Studies

Quaid-i-Azam continued his dual membership of Congress and Muslim League for the period of:

- A. 5 years
- B. 4 years
- C. 7 years ✓ **Correct answer**
- D. None of these

Note: Jinnah joined the Muslim League in 1913 while remaining in Congress, and left Congress in 1920, so he held both memberships for about seven years.

16 Pakistan Studies

When did Quaid-i-Azam leave Congress?

- A. 1919
- B. 1920 ✓ **Correct answer**
- C. 1921
- D. 1925

Note: Jinnah left the Indian National Congress at the Nagpur session in December 1920, over the Non-Cooperation Movement.

Question 17 General Knowledge

Mistress of sea is:

- A. Spain
- B. Britain ✓ **Correct answer**
- C. Sri Lanka
- D. Japan

Note: 'Mistress of the Seas' is the traditional title of Britain, whose navy dominated the oceans in the 18th and 19th centuries.

Question 18 Pakistan Studies

In Pakistan, one child dies after every:

- A. minute
- B. hour ✓ **Correct answer**
- C. week
- D. month

Note: The book's 2000-era figure is one child death every hour; child-mortality figures are dated and have fallen since, but the filed answer is the book's key.

19 Pakistan Studies

In Pakistan bicameral government system was introduced in:

- A. 1973 ✓ **Correct answer**
- B. 1947
- C. 1955
- D. 1962

Note: The 1973 Constitution introduced a bicameral legislature in Pakistan: the National Assembly and the Senate.

Question 20 Pakistan Studies

When women joined Muslim League?

- A. 1937 ✓ **Correct answer**
- B. 1940
- C. 1947
- D. 1936

Note: The book keys 1937, when the Muslim League organised its women's wing under leaders such as Begum Muhammad Ali Jauhar and Fatima Jinnah.

Question 21 General Knowledge

Which is called crescent city?

- A. Vatican City
- B. New Orleans ✓ **Correct answer**
- C. Paris
- D. London

Note: New Orleans is the Crescent City, named for the crescent bend of the Mississippi River on which it stands. The printed key (Vatican City) is wrong and is corrected openly;

ssistant under owner's 8 Nov delegation.

Question 22 Pakistan Studies

Pirpur report was presented by:

- A. Mohan Lal Karm Chand Gandhi
- B. Allama Iqbal (RA)
- C. Quaid-i-Azam Muhammad Ali Jinnah (RA)
- D. Raja Muhammad Mehdi ✓ **Correct answer**

Note: The Pirpur Report of 1938, on Congress ministries' treatment of Muslims, was presented by Raja Syed Muhammad Mehdi of Pirpur.

Question 23 Pakistan Studies

Sindh was separated from Bombay:

- A. 1929
- B. 1935 ✓ **Correct answer**
- C. 1945
- D. 1930

Note: Sindh was separated from the Bombay Presidency under the Government of India Act 1935, taking effect in 1936.

Question 24 Pakistan Studies

Longest tenure of the viceroy:

- A. Lord Curzon
- B. Lord Ripon
- C. Lord Linlithgow ✓ **Correct answer**
- D. Lord Elgin

linlithgow was viceroy from 1936 to 1943, about seven years, the longest viceregal tenure in India.

Question 25 Pakistan Studies

Durand Line was settled in:

- A. 1895
- B. 1893 ✓ **Correct answer**
- C. 1849
- D. 1903

Note: The Durand Line between Afghanistan and British India was agreed in 1893 by Sir Mortimer Durand and Amir Abdur Rahman Khan.

Question 26 Pakistan Studies

Last Governor of the undivided Punjab was:

- A. Muhammad Ali Jinnah
- B. Sir Evan Jenkins ✓ **Correct answer**
- C. Sir Francis Mudie
- D. None of the above

Note: Sir Evan Jenkins was the last Governor of the undivided Punjab, serving until August 1947; the transcription prints his name as 'Even' and uses lower-case option labels, both normalised here.

Question 27 Pakistan Studies

How many women die during birth of a child every year in Pakistan?

- A. 40,000
- B. 30,000 ✓ **Correct answer**
- C. 10,000

Note: The book's 2000-era figure is about 30,000 maternal deaths a year in Pakistan; maternal-mortality figures are dated and have fallen since, but the filed answer is the book's key.

Question 28 Geography

Total length of coastline of Pakistan?

- A. 300 miles
- B. 400 miles
- C. 500 miles
- D. 650 miles ✓ **Correct answer**

Note: Pakistan's coastline is about 1,046 km, which is about 650 miles.

Question 29 Pakistan Studies

From women, who seconded the Lahore Resolution?

- A. Begum Shah Nawaz
- B. Begum Muhammad Ali Jauhar ✓ **Correct answer**
- C. Begum Salma Tassaduq Hussain
- D. Fatima Jinnah

Note: The book names Begum Muhammad Ali Jauhar as the woman who seconded the Lahore Resolution of 1940.

Question 30 Everyday Science

Diabetes is caused by malfunctioning of:

- A. Liver
- B. Pancreas ✓ **Correct answer**

- D. Lungs

Note: Diabetes results from the pancreas failing to make enough insulin (or the body not using it), so blood sugar is not controlled.

Question 31 Everyday Science

The most prominent symptom of jaundice is:

- A. Loss of hair
- B. Lungs pain
- C. Yellowish skin ✓ **Correct answer**
- D. Blackish skin

Note: Jaundice shows most prominently as yellowing of the skin and the whites of the eyes, caused by excess bilirubin in the blood; the transcription misprints option B's label as 'D)', corrected here.

Question 32 Everyday Science

Polio is caused by:

- A. Virus ✓ **Correct answer**
- B. Bacteria
- C. Tapeworm
- D. None of these

Note: Poliomyelitis is caused by the poliovirus, which attacks the nervous system.

Question 33 Everyday Science

Hepatitis is caused by:

- A. Bacteria

- C. Protozoan
- D. Ring worm

Note: Hepatitis, inflammation of the liver, is caused by viruses (hepatitis A, B, C, D and E).

Question 34 Everyday Science

Blood pressure is measured by:

- A. Barometer
- B. Galvanometer
- C. Sphygmomanometer ✓ **Correct answer**
- D. Voltmeter

Note: A sphygmomanometer measures blood pressure; a barometer measures air pressure and a galvanometer measures electric current.

Question 35 Everyday Science

The planet nearest to earth is:

- A. Jupiter
- B. Pluto
- C. Venus ✓ **Correct answer**
- D. Neptune

Note: Venus is the nearest planet to Earth, coming as close as about 38 million km.

Question 36 Pakistan Studies

The proposed Kalabagh dam would be constructed on the river:

- A. Jhelum
- B. Indus ✓ **Correct answer**

- D. Kurram

Note: The proposed Kalabagh Dam is sited on the Indus River in Mianwali district.

Question 37 Pakistan Studies

Warsak dam was built in 1960 on river:

- A. Dasht
- B. Indus
- C. Kabul ✓ **Correct answer**
- D. Jhelum

Note: The Warsak Dam, completed in 1960, stands on the Kabul River near Peshawar.

Question 38 Geography

The Ravi river originates in the Indian state of:

- A. Orissa
- B. Himachal Pradesh ✓ **Correct answer**
- C. Andhra
- D. Uttar Pradesh

Note: The Ravi rises in the Himalayas in Himachal Pradesh, India, and flows into Pakistan.

Question 39 Pakistan Studies

The archaeological site Kot Diji is located near the city of:

- A. Larkana
- B. Thatta
- C. Khairpur ✓ **Correct answer**
- D. Swat

ji, a pre-Harappan site, lies near Khairpur in Sindh.

Question 40 Geography

Nanga Parbat peak is situated in:

- A. Himalayas ✓ **Correct answer**
- B. Karakoram
- C. Hindu Kush
- D. Suleman Range

Note: Nanga Parbat is the western anchor of the Himalayas, in Gilgit-Baltistan.

Question 41 General Knowledge

Which part of the world is called, Playground of Europe?

- A. Norway
- B. Germany
- C. Switzerland ✓ **Correct answer**
- D. Poland

Note: Switzerland is called the Playground of Europe for its mountains, lakes and winter sports.

Question 42 Everyday Science

Identify the coldest planet:

- A. Neptune ✓ **Correct answer**
- B. Venus
- C. Jupiter
- D. Mars

Note: Neptune is the coldest planet, with temperatures around minus 200 C, since it is

Question 43 Islamic Studies

Jerusalem is a holy city for:

- A. Muslims
- B. Jews
- C. Christians
- D. All of the above ✓ **Correct answer**

Note: Jerusalem is holy to all three Abrahamic faiths: to Muslims (Al-Aqsa), Jews (the Western Wall) and Christians (the Church of the Holy Sepulchre).

Question 44 Geography

Pakistan coldest place is:

- A. Ziarat ✓ **Correct answer**
- B. Quetta
- C. Gilgit
- D. Murree

Note: The book keys Ziarat, which is filed. Quetta is also defensible: its recorded low (about minus 18 C) is colder than Ziarat's, and Skardu, colder still, is not an option at all; decided by assistant under owner's 8 Nov delegation.

Question 45 General Knowledge

Who invented safety pin:

- A. Walter Hunt ✓ **Correct answer**
- B. Samuel Miller
- C. John Ericsson
- D. Patrick Bell

odern safety pin was invented by the American Walter Hunt in 1849.

Question 46 General Knowledge

Shilling is the currency of:

- A. Kenya ✓ **Correct answer**
- B. Sudan
- C. Sweden
- D. Italy

Note: The shilling is the currency of Kenya (the Kenyan shilling); Sudan uses the pound and Sweden the krona.

Question 47 General Knowledge

Peso is the currency of:

- A. Nepal
- B. Cuba ✓ **Correct answer**
- C. Malawi
- D. Malta

Note: The peso is the currency of Cuba (the Cuban peso); Nepal uses the rupee.

Question 48 Geography

The continent which has only one race?

- A. Europe
- B. Africa
- C. Australia ✓ **Correct answer**
- D. North America

Note: The book's key is blank in the transcription; the filed answer is Australia, following

textbook framing that Australia was inhabited by a single Aboriginal people before 1788. The word 'race' is an outdated category and every continent is multi-racial today; decided by assistant under owner's 8 Nov delegation.

Question 49 Current Affairs

When Bangladesh became the member of UNO?

- A. 1971
- B. 1974 ✓ **Correct answer**
- C. 1973
- D. 1972

Note: Bangladesh became a member of the United Nations on 17 September 1974. The printed key (1973) is wrong and is corrected openly; decided by assistant under owner's 8 Nov delegation.

Question 50 Geography

Dasht-e-Lut desert is located in?

- A. Iraq
- B. Iran ✓ **Correct answer**
- C. Turkmenistan
- D. Afghanistan

Note: The Dasht-e Lut is a large salt desert in south-eastern Iran.

Question 51 English

ABEYANCE

- A. Obedience
- B. Suspended action ✓ **Correct answer**
- C. Excitement

Note: Abeyance means a state of temporary suspension or inactivity, so 'suspended action' is its nearest synonym.

Question 52 English

ABSTINENCE (to avoid)

- A. Vulgar display
- B. Deportment (behaviour)
- C. Reluctance
- D. Restrained eating or drinking ✓ **Correct answer**

Note: Abstinence is the practice of restraining oneself, especially from eating or drinking, so 'restrained eating or drinking' is its nearest synonym.

Question 53 English

CONFORMITY

- A. Agreement (act of agreeing) ✓ **Correct answer**
- B. Ambition
- C. Confinement
- D. Pride

Note: Conformity means agreement with, or compliance to, accepted standards, so 'agreement' is its nearest synonym.

Question 54 English

DEFILE

- A. Manicure
- B. Pollute ✓ **Correct answer**

- D. Assemble

Note: To defile is to pollute or desecrate, so 'pollute' is the nearest synonym. The printed key (Ride) is wrong and is corrected openly; decided by assistant under owner's 8 Nov delegation.

Question 55 English

LAMPOON (ridicule)

- A. Darken
- B. Praise ✓ **Correct answer**
- C. Abandon
- D. Sail

Note: A lampoon is a piece of writing that ridicules someone, so its opposite is 'praise'.

Question 56 English

VAGARY (whim, a strange or sudden change that is difficult to predict)

- A. Unchanged ✓ **Correct answer**
- B. Caprice
- C. Tramp
- D. Arrogant

Note: A vagary is a sudden unpredictable change of mood or behaviour, so its opposite is 'unchanged'; 'caprice' is a synonym, not an opposite.

Question 57 English

SQUANDER (to waste)

- A. Fortify

- C. Preserved (keep safe) ✓ **Correct answer**
- D. Roam

Note: To squander is to waste recklessly, so its opposite is 'preserved (keep safe)'.

Question 58 English

Modern architecture has discarded the ___ trimming on buildings and has concentrated on an almost Greek simplicity of line

- A. Flamboyant ✓ **Correct answer**
- B. Austere
- C. Inconspicuous
- D. Aesthetic, concerning beauty in art
- E. Derivative

Note: The sentence needs the word for showy, ornate trimming that modern architecture discarded, which is 'flamboyant'; the blank is missing in the transcription and is restored here.

Question 59 English

If you are seeking ___ that will resolve all our ailments, you are undertaking an impossible task.

- A. A precedent
- B. A panacea ✓ **Correct answer**
- C. An abstraction (state of being abstracted)
- D. A direction
- E. A contrivance

Note: A panacea is a remedy for all ailments, so it is the word the sentence needs; the blank is missing in the transcription and is restored here.

60 English

Choose the word with correct spellings:

- A. Accomodation
- B. Acommodation
- C. Accommodation ✓ **Correct answer**
- D. Acomadetion

Note: 'Accommodation' is spelled with two c's and two m's.

Question 61 English

Choose the word with correct spellings:

- A. begnning
- B. beginning ✓ **Correct answer**
- C. begining
- D. beginning

Note: 'Beginning' is spelled b-e-g-i-n-n-i-n-g; option D repeats the same spelling as B and both are filed as printed.

Question 62 English

Select the word which has correct spellings:

- A. Secretariate
- B. Secrartariate
- C. Secretariat ✓ **Correct answer**
- D. Secretariate

Note: 'Secretariat' is the correct spelling; options A and D repeat the same misspelling and both are filed as printed.

63 English

To clip the wings, means:

- A. To limit on ✓ **Correct answer**
- B. To catch the bird
- C. To cut the wings of a bird
- D. To control hair

Note: To clip someone's wings is to restrict their freedom or power; option A prints the idiom's sense in garbled words ('To limit on') and is filed as printed.

Question 64 English

To cut the cake.

- A. To do impossible
- B. To make use of time
- C. To celebrate birthday
- D. To divide the cake in two parts ✓ **Correct answer**

Note: To cut the cake means to divide something into parts, especially to share it. The printed key (to make use of time) is wrong and is corrected openly; decided by assistant under owner's 8 Nov delegation.

Question 65 English

Hit the road:

- A. To go abroad
- B. To sit in the road
- C. To run on the road
- D. To start journey ✓ **Correct answer**

Note: To hit the road means to start a journey, to set out.

66 English

Flex the muscle:

- A. To stretch the muscle
- B. To show authority ✓ **Correct answer**
- C. Take heavy exercise
- D. To lift up something

Note: To flex one's muscles means to show one's power or authority.

Question 67 English

Keep tabs on:

- A. To follow strictly
- B. To do something
- C. To keep under observation ✓ **Correct answer**
- D. To steal something

Note: To keep tabs on someone is to keep them under observation, to watch what they do.

Question 68 English

Mixed feelings.

- A. Romantic feelings
- B. Not clear feelings
- C. Hateful feelings
- D. To have some good and bad feelings about someone ✓ **Correct answer**

Note: Mixed feelings are conflicting feelings, both good and bad, about someone or something. The printed key (Not clear feelings) is imprecise and is corrected openly; decided by assistant under owner's 8 Nov delegation.

69 English

He is himself to himself, means:

- A. Not like to talk with others ✓ **Correct answer**
- B. To remain silent
- C. To limit one's feelings
- D. To be proud of oneself

Note: A person who is 'himself to himself' keeps to himself and does not like to talk with others.

Question 70 Mathematics

x + x + x =?

- A. 3x ✓ **Correct answer**
- B. x3
- C. 3x3
- D. x2 + x

Note: x + x + x is three lots of x, which is 3x.

Question 71 Mathematics

If 2^x = 32 then x = ?

- A. 5 ✓ **Correct answer**
- B. 6
- C. 4
- D. 16

Note: 2 to the power 5 is 32, so x = 5; the transcription drops the superscript and is restored here.

72 Mathematics

√256 = ?

- A. 17
- B. 14
- C. 16 ✓ **Correct answer**
- D. 128

Note: The square root of 256 is 16, since 16 x 16 = 256; the transcription prints only '/256' and is restored here.

Question 73 Mathematics

x + 6 = 7 then x = ?

- A. 13
- B. 1 ✓ **Correct answer**
- C. 7/6
- D. 13x

Note: x = 7 - 6 = 1.

Question 74 Mathematics

1 metre is equal to:

- A. 10^2 mm
- B. 10^3 mm ✓ **Correct answer**
- C. 10^4 mm
- D. 10^5 mm

Note: One metre is 1,000 millimetres, which is 10 to the power 3 mm; the transcription drops the superscripts and they are restored here.

75 Mathematics

$2^3 \times 5^0 = ?$

- A. 30
- B. 40
- C. 8 ✓ **Correct answer**
- D. 6

Note: 2 to the power 3 is 8 and 5 to the power 0 is 1, so the product is 8 x 1 = 8; the transcription drops the superscripts and is restored here.

Question 76 Mathematics

14.4 / 1.2 = ?

- A. 13
- B. 12 ✓ **Correct answer**
- C. 14
- D. 22

Note: 14.4 divided by 1.2 is 12; the transcription drops the decimal point in 14.4 and is restored here.

Question 77 Mathematics

Find the missing number: 3, 5, 7, ..., 13, 17

- A. 8
- B. 9
- C. 11 ✓ **Correct answer**
- D. 12

Note: The series is the odd numbers 3, 5, 7, 9, 11, 13, 17; the missing term between 7 and 13 is 11. The transcription prints 'missing letter' and the series without commas; both are

Question 78 Mathematics

Provide the missing number: 8, 4, 32, 7, 5, ?

- A. 33
- B. 11
- C. 17
- D. 35 ✓ **Correct answer**

Note: The numbers go in pairs: 8 x 4 = 32, so 7 x 5 = 35 is the missing number. The transcription prints only 'Provide the missing' with the bare series; the stem is repaired here.

Question 79 Pakistan Studies

Who developed algebra?

- A. Muhammad ibn Musa al-Khwarizmi ✓ **Correct answer**
- B. Ibn Sina
- C. Euclid
- D. Jabir ibn Hayyan

Note: Algebra was developed by Muhammad ibn Musa al-Khwarizmi, whose book 'al-Jabr' gave the subject its name.

Question 80 Current Affairs

Which Muslim country has recognized Chechnya as an independent Muslim state?

- A. Iran
- B. Saudi Arabia
- C. Afghanistan ✓ **Correct answer**
- D. Uzbekistan

book names Afghanistan, whose Taliban government recognised Chechnya's independence in 2000.

Question 81 Islamic Studies

Which of the following events did not occur during Ramadan?

- A. Battle of Badr
- B. Battle of Uhud ✓ **Correct answer**
- C. Battle of the Trench
- D. Conquest of Makkah

Note: The book keys the Battle of Uhud, which was fought in Shawwal, not Ramadan, and Uhud is filed. The Battle of the Trench was also fought in Shawwal, so it is a second defensible answer; decided by assistant under owner's 8 Nov delegation.

Question 82 Islamic Studies

In which year did the Muslims fight their first naval battle?

- A. 2 A.H.
- B. 13 A.H.
- C. 31 A.H. ✓ **Correct answer**
- D. 67 A.H.

Note: The Muslims' first naval battle, the Battle of the Masts (Dhat al-Sawari), was fought in 31 A.H. (655 C.E.).

Question 83 Islamic Studies

In what year did Sayyidna Umar, Radi-Allahu anhu, accept Islam?

- A. 616 CE ✓ **Correct answer**
- B. 608 CE
- C. 634 CE, 13 AH

CE, 23 AH

Note: Hazrat Umar accepted Islam in 616 C.E., six years after the first revelation.

Question 84 Islamic Studies

The Holy Quran is generally printed in:

- A. Nastaliq script
- B. Kufi script
- C. Naskh script ✓ **Correct answer**
- D. Shikasta script

Note: The Quran is generally printed in the Naskh script; Nastaliq is the script of Urdu, not of the Quran. The printed key (Nastaliq) is wrong and is corrected openly; decided by assistant under owner's 8 Nov delegation.

Question 85 Islamic Studies

Imam Bukhari hailed from:

- A. Malaysia
- B. India
- C. Egypt
- D. Turkestan ✓ **Correct answer**

Note: Imam Bukhari was born in Bukhara, in Turkestan (modern Uzbekistan).

Question 86 Islamic Studies

Prophet Muhammad (SAW) while immigrating to Madina took refuge in:

- A. Cave Hira
- B. Cave Thaur ✓ **Correct answer**
- C. Dar-i-Arqam

Note: During the Hijra the Prophet and Hazrat Abu Bakr hid in the Cave of Thaur for three days.

Question 87 Islamic Studies

Prophet Muhammad (SAW) visited Ghar-i-Hira for:

- A. Recitation
- B. Memorization
- C. Meetings
- D. Meditation/Tahanuth ✓ **Correct answer**

Note: The Prophet used to retire to the Cave of Hira for meditation (tahanuth) before the first revelation.

Question 88 Islamic Studies

The Najashi King of Habasha with whom the Muslims for the first time took refuge was a:

- A. Jew
- B. Hindu
- C. Christian ✓ **Correct answer**
- D. Mushrik

Note: The Najashi (Negus) of Abyssinia, who sheltered the early Muslim emigrants, was a Christian.

Question 89 Islamic Studies

The duration of social boycott of Muslims in Shib abi Talib was for:

- A. 10 Years

- C. 3 Years ✓ **Correct answer**
- D. 8 Years

Note: The Quraysh boycott of the Muslims in the valley of Abu Talib lasted about three years.

Question 90 Islamic Studies

Sulh-i Hudaybiyyah was written by:

- A. Hazrat Abu Bakr
- B. Hazrat Ali ✓ **Correct answer**
- C. Hazrat Umar
- D. Prophet Muhammad (PBUH)

Note: The Treaty of Hudaybiyyah was written by Hazrat Ali (R.A.) at the Prophet's dictation.

Question 91 Everyday Science

In a photographic camera fitted with a convex lens, which of the following types of images will be formed on the film?

- A. Erect and real
- B. Inverted and real ✓ **Correct answer**
- C. Imaginary and erect
- D. The type of image formed will depend on the distance between the lens and the object

Note: In a camera the distant object is beyond twice the focal length, so the convex lens forms a real, inverted and diminished image on the film. The printed key (that it depends on the distance) is wrong for a camera and is corrected openly; the transcription also misprints option B's label as 'D)', corrected here; decided by assistant under owner's 8 Nov delegation.

92 Everyday Science

In the year 14,000 A.D., due to the earth's precession, the axis of rotation of earth will point towards:

- A. Proxima Centauri
- B. Pole Star
- C. Vega ✓ **Correct answer**
- D. None of these

Note: Because of the precession of the equinoxes, the north celestial pole moves in a 26,000-year circle; around 14,000 A.D. it will point near Vega.

Question 93 Everyday Science

As the temperature of water rises gradually, its surface tension:

- A. Goes on increasing
- B. Goes on decreasing ✓ **Correct answer**
- C. Is not affected and remains unchanged
- D. Increases only when the heat is too intense

Note: Surface tension falls as temperature rises, because the molecules move faster and pull less strongly on each other.

Question 94 Everyday Science

The density of a solid and that of a liquid, in which it is to be immersed, is the same. On immersion, its apparent weight will be reduced to:

- A. Half
- B. One-third
- C. One-quarter
- D. Zero ✓ **Correct answer**

the densities are equal the buoyant force equals the solid's weight, so its apparent weight is zero. The printed key (one-quarter) is wrong and is corrected openly; decided by assistant under owner's 8 Nov delegation.

Question 95 Everyday Science

A fresh egg sinks in pure water whereas it floats in saturated salty water. This is due to:

- A. Higher density of the salty water ✓ **Correct answer**
- B. Higher density of the pure water
- C. The fluid matter inside the egg-shell
- D. The fact that the egg-shell is made of calcium which is heavier than pure water

Note: Salt water is denser than pure water, so the upthrust on the egg is greater and the egg floats.

Question 96 Everyday Science

The planet between Earth and Mercury is:

- A. Venus ✓ **Correct answer**
- B. Mars
- C. Jupiter
- D. Neptune

Note: Venus orbits between Earth and Mercury, nearer the Sun than Earth and farther than Mercury.

Question 97 Everyday Science

Can you name the planets of the Solar system which have no satellites?

- A. Neptune
- B. Mercury
- C. Venus

h B and C ✓ **Correct answer**

Note: Mercury and Venus are the only planets with no moons. The stem says 'three planets' but only two planets have no satellites; that is recorded here and both are filed.

Question 98 Everyday Science

The velocity of sound is largest in:

- A. Air
- B. Water
- C. Steel rod ✓ **Correct answer**
- D. Kerosene

Note: Sound travels fastest in solids: about 5,000 m/s in steel, against about 1,480 m/s in water and 343 m/s in air.

Question 99 Everyday Science

A sextant is used to measure:

- A. Volume of the buildings
- B. Area of hill
- C. Height of an object ✓ **Correct answer**
- D. Breadth of a tower

Note: A sextant measures the angle of elevation of a distant object, from which its height is found.

Question 100 Everyday Science

Which of the following air carries no moisture?

- A. Dry air ✓ **Correct answer**
- B. Warm air

| air

- D. Icy wind

Note: Dry air, by definition, carries no moisture; warm air can hold more moisture than cool air.

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