Assistant Director (BPS-17) — 2019 · Solved Past Paper

Body: Sindh Public Service Commission (SPSC) · **Post:** Assistant Director (BPS-17) · **Year:** 2019 · **Questions:** 50 in the original paper — **49 solved and verified**, 1 excluded as defective (Q2) · **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 2019 sitting.

Source note: testpointpk reproduction, 'SPSC Assistant Director Past Paper 26-08-2019' (50 stems, 4–5 options and a printed key, paginated; direct-curl raw HTML). 1 PICK-ONE (Q37 direct taxes, D 'Both A and B' kept as the intended answer); 1 DEFECTIVE-excluded (Q2 Chief Justice — by the exam-date rule, Asif Saeed Khosa on 26 August 2019 is in no option; the printed key is the 2024+ answer, a post-exam rewrite). Five-option item Q25 filed as printed. No second full reproduction found. Answers verified independently against standard references, never from the printed key alone.

Question 1 General Knowledge

The largest/biggest ocean of the world is _____?

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

A. Wrong: the Atlantic is the second-largest ocean, smaller than the Pacific.

The Pacific is the largest ocean in the world by area, covering more of the Earth's surface than all the land put together.

C. Wrong: the Indian Ocean is the third-largest ocean, smaller than the Pacific and the Atlantic.

D. Wrong: the Arctic is the smallest and shallowest of the world's oceans.

Question 2 Current Affairs — DEFECTIVE-EXCLUDED (no answer asserted; not in the JSON)

Who is the Current Chief Justice of Pakistan (CJP)?

- A. Justice Umar Ata Bandial
- B. Justice Qazi Faez Isa
- C. Justice Yahya Afridi
- D. None of these

No answer is given for this question, and none is taught. DEFECTIVE — EXCLUDED (no answer asserted)

Question 3 General Knowledge

Where is the headquarters of the North Atlantic Treaty Organization (NATO) located?

- A. Washington, D.C., USA
- B. Brussels, Belgium ✓ **Correct answer**
- C. Geneva, Switzerland
- D. None of the above

A. Wrong: Washington, D.C. is not the seat of NATO headquarters; the headquarters is in Brussels.

B. Correct: NATO headquarters is located in Brussels, Belgium.

Geneva hosts United Nations offices, not the NATO headquarters.

D. Wrong: Brussels is among the options and is correct, so this does not apply.

Question 4 Pakistan Studies

According to Population, Pakistan is _____ largest country in the world.

- A. 4th
- B. 5th ✓ **Correct answer**
- C. 6th
- D. 7th

A. Wrong: Pakistan is not the 4th most populous country; by population it ranks 5th, after China, India, the United States and Indonesia.

B. Correct: by population Pakistan is the 5th largest country in the world.

C. Wrong: Pakistan is not 6th; it ranks 5th by population.

D. Wrong: Pakistan is not 7th; it ranks 5th by population.

Question 5 Geography

Strait of Malacca separates _____?

- A. Malaysia and China
- B. Malaysia and Indonesia ✓ **Correct answer**
- C. Malaysia and Sri Lanka
- D. None of these

A. Wrong: the Strait of Malacca does not separate Malaysia from China; it lies between the Malay Peninsula and the Indonesian island of Sumatra.

B. Correct: the Strait of Malacca separates Malaysia and Indonesia.

C. Wrong: the Strait of Malacca does not separate Malaysia from Sri Lanka; Sri Lanka lies

st, across the Bay of Bengal.

D. Wrong: Malaysia and Indonesia is among the options and is correct, so this does not apply.

Question 6 General Knowledge

The D-8 is an organization of nine _____ countries.

- A. Developing ✓ **Correct answer**
- B. Developed
- C. Asian
- D. African

A. Correct: the D-8 (Developing-8) is an organisation of developing countries; the stem says nine, but the D-8 has eight members, and the descriptor developing is still correct.

B. Wrong: the D-8 is an organisation of developing countries, not developed ones.

C. Wrong: Asian alone does not describe the D-8, whose members include African countries (Egypt and Nigeria) as well as Asian ones.

D. Wrong: African alone does not describe the D-8, whose members include Asian countries as well as African ones.

Question 7 Pakistan Studies

What was Mother tongue of Quaid-e-Azam?

- A. Baluchi
- B. Sindhi
- C. Gujrati ✓ **Correct answer**
- D. None of these

A. Wrong: Quaid-e-Azam Muhammad Ali Jinnah's mother tongue was not Baluchi.

Quaid-e-Azam's mother tongue was not Sindhi.

C. Correct: Quaid-e-Azam's mother tongue was Gujarati (Gujrati).

D. Wrong: Gujarati is among the options and is correct, so this does not apply.

Question 8 Geography

Greenwich is located in ____?

- A. France
- B. Finland
- C. Germany
- D. England ✓ **Correct answer**

A. Wrong: Greenwich is not in France.

B. Wrong: Greenwich is not in Finland.

C. Wrong: Greenwich is not in Germany.

D. Correct: Greenwich is in London, England, on the prime meridian (0 degrees longitude).

Question 9 Mathematics

How many acres are there in one hectare?

- A. 4.47
- B. 3.47
- C. 2.47 ✓ **Correct answer**
- D. None of these

A. Wrong: one hectare is not 4.47 acres; it is 2.47 acres.

B. Wrong: one hectare is not 3.47 acres; it is 2.47 acres.

C. Correct: one hectare equals 2.47 acres.

47 is among the options and is correct, so this does not apply.

Question 10 Pakistan Studies

Deosai National Park is remarkable as it s one of the highest plateaus in the world with an average elevation of 4,114 meters. In which region of Pakistan is it located?

- A. Balochistan
- B. Gilgit-Baltistan ✓ **Correct answer**
- C. Potohar -Punjab
- D. Kyber Pakhtunkhwa

A. Wrong: Deosai National Park is not in Balochistan.

B. Correct: Deosai National Park, one of the highest plateaus in the world, is located in Gilgit-Baltistan.

C. Wrong: Deosai is not in the Potohar region of Punjab.

D. Wrong: Deosai is not in Khyber Pakhtunkhwa.

Question 11 Everyday Science

Which of the following gases is commonly used as a refrigerant in domestic refrigerators for cooling?

- A. Freon/ammonia ✓ **Correct answer**
- B. Neon
- C. Spirit
- D. None of these

A. Correct: Freon (and ammonia) is commonly used as a refrigerant in domestic refrigerators for cooling.

B. Wrong: neon is an inert gas used in signs and lamps, not as a refrigerator refrigerant.

…int is not used as a refrigerant in domestic refrigerators.

D. Wrong: Freon/ammonia is among the options and is correct, so this does not apply.

Question 12 General Science

What is meant by “Equinox”?

- A. The longest day
- B. The shortest day
- C. The sun-month long day
- D. Equal duration of day and night ✓ **Correct answer**

A. Wrong: the longest day is a solstice, not an equinox.

B. Wrong: the shortest day is a solstice, not an equinox.

C. Wrong: an equinox is not a sun-month long day.

D. Correct: an equinox is the time when day and night are of equal duration.

Question 13 Computer

Which among the following is the odd one out? Harddisk, Cache, RAM, ROM

- A. Harddisk ✓ **Correct answer**
- B. Cache
- C. RAM
- D. ROM

A. Correct: the hard disk is the odd one out: Cache, RAM and ROM are all kinds of computer memory, while a hard disk is secondary storage, not memory.

B. Wrong: Cache is a kind of memory, so it belongs with RAM and ROM, not apart from them.

C. Wrong: RAM is a kind of memory, so it belongs with Cache and ROM, not apart from

D. Wrong: ROM is a kind of memory, so it belongs with Cache and RAM, not apart from them.

Question 14 Geography

Silicon valley is in _____?

- A. New York
- B. Los Angeles
- C. Chicago
- D. California ✓ **Correct answer**

A. Wrong: Silicon Valley is not in New York.

B. Wrong: Silicon Valley is not in Los Angeles.

C. Wrong: Silicon Valley is not in Chicago.

D. Correct: Silicon Valley is in California (the Santa Clara Valley in northern California).

Question 15 English (Vocabulary)

The Antonym of Foe is?

- A. Enemy
- B. Friend ✓ **Correct answer**
- C. Weak
- D. Fraud

A. Wrong: enemy is a synonym of foe, not its antonym.

B. Correct: the antonym of foe is friend.

C. Wrong: weak is not the antonym of foe.

aud is not the antonym of foe.

Question 16 Physics

The SI unit of charge is _____?

- A. Ohm
- B. Coulomb ✓ **Correct answer**
- C. Ampere
- D. None of these

A. Wrong: the ohm is the SI unit of electrical resistance, not of charge.

B. Correct: the SI unit of electric charge is the coulomb.

C. Wrong: the ampere is the SI unit of electric current, not of charge.

D. Wrong: the coulomb is among the options and is correct, so this does not apply.

Question 17 English (Vocabulary)

The Synonym of Anomaly is?

- A. Irregularity ✓ **Correct answer**
- B. Regularity
- C. Normal
- D. None of these

A. Correct: the synonym of anomaly is irregularity: an anomaly is something that deviates from the normal or regular.

B. Wrong: regularity is the opposite of anomaly, not its synonym.

C. Wrong: normal is the opposite of anomaly, not its synonym.

D. Wrong: irregularity is among the options and is correct, so this does not apply.

18 English (Vocabulary)

One word substitution: That which cannot be corrected?

- A. Incorrigible ✓ **Correct answer**
- B. Indelible
- C. Illegible
- D. None of these

A. Correct: that which cannot be corrected is incorrigible.

B. Wrong: indelible means that which cannot be erased or removed, not that which cannot be corrected.

C. Wrong: illegible means that which cannot be read, not that which cannot be corrected.

D. Wrong: incorrigible is among the options and is correct, so this does not apply.

Question 19 Pakistan Studies

Pakistan's Demographic and Health Survey is conducted by _____?

- A. Institute of Strategic Studies, Islamabad
- B. Institute of Regional Studies, Islamabad
- C. National Institute of Population Studies, Islamabad ✓ **Correct answer**
- D. None of these

A. Wrong: the Institute of Strategic Studies, Islamabad, does not conduct Pakistan's Demographic and Health Survey.

B. Wrong: the Institute of Regional Studies, Islamabad, does not conduct Pakistan's Demographic and Health Survey.

C. Correct: Pakistan's Demographic and Health Survey is conducted by the National Institute of Population Studies, Islamabad.

D. Wrong: the National Institute of Population Studies is among the options and is correct,

not apply.

Question 20 English (Analogy)

Analogy of Deteriorate : Improve :: _____?

- A. Obstinate : Tractable ✓ **Correct answer**
- B. Feckless : Careless
- C. Evanescent : Exigent
- D. None of these

A. Correct: deteriorate and improve are antonyms, and obstinate (stubborn, unyielding) and tractable (easily managed, compliant) are likewise antonyms, so the pair matches the given analogy.

B. Wrong: feckless and careless are near-synonyms, not antonyms, so the pair does not match the deteriorate-improve pattern.

C. Wrong: evanescent (quickly vanishing) and exigent (urgent, demanding) are not antonyms, so the pair does not match the deteriorate-improve pattern.

D. Wrong: Obstinate : Tractable is among the options and matches the analogy, so this does not apply.

Question 21 General Knowledge

Prime Minister of Malaysia, Mahathir is by education a/an ?

- A. Medical Doctor ✓ **Correct answer**
- B. Political Scientist
- C. Economist
- D. None of these

A. Correct: Mahathir Mohamad, Prime Minister of Malaysia, was a medical doctor by education and profession.

Mahathir was not a political scientist by education; he was a medical doctor.

C. Wrong: Mahathir was not an economist by education; he was a medical doctor.

D. Wrong: Medical Doctor is among the options and is correct, so this does not apply.

Question 22 Geography

The distance of longitude represents how many minutes difference in time?

- A. 1 minute
- B. 4 minutes ✓ **Correct answer**
- C. 10 minutes
- D. None of these

A. Wrong: one degree of longitude does not represent a 1-minute difference in time; it represents 4 minutes.

B. Correct: the Earth turns 360 degrees in 24 hours, i.e. 15 degrees per hour, so one degree of longitude represents a 4-minute difference in time.

C. Wrong: one degree of longitude does not represent a 10-minute difference in time; it represents 4 minutes.

D. Wrong: 4 minutes is among the options and is correct, so this does not apply.

Question 23 Pakistan Studies

Who was the first Minister for Population of Pakistan?

- A. Dr. Attiya Inayatullah ✓ **Correct answer**
- B. Tasleem Aslam
- C. Shahida Jamil
- D. None of these

A. Correct: Dr. Attiya Inayatullah was the first Minister for Population of Pakistan.

Naseem Aslam was a foreign-service officer and diplomat, not the first Minister for Population.

C. Wrong: Shahida Jamil was a law minister, not the first Minister for Population.

D. Wrong: Dr. Attiya Inayatullah is among the options and is correct, so this does not apply.

Question 24 General Knowledge

What is population explosion?

- A. Steady growth
- B. Sudden large decline
- C. Sudden large increase ✓ **Correct answer**
- D. None of these

A. Wrong: steady growth is not a population explosion; an explosion is sudden and large.

B. Wrong: a sudden large decline is the opposite of a population explosion.

C. Correct: a population explosion is a sudden large increase in population.

D. Wrong: a sudden large increase is among the options and is correct, so this does not apply.

Question 25 Everyday Science

Which part of the donor's eye is utilized in eye donation?

- A. Lens
- B. Cornea ✓ **Correct answer**
- C. Retina
- D. All of these
- E. None of these

e lens is not the part utilised in eye donation; the cornea is.

B. Correct: the cornea is the part of the donor's eye utilised in eye donation (corneal transplant).

C. Wrong: the retina is not the part utilised in eye donation; the cornea is.

D. Wrong: not all of the listed parts are used in eye donation; only the cornea is.

E. Wrong: the cornea is among the options and is correct, so this does not apply.

Question 26 English (Vocabulary)

What is the Antonym of "Terrible"?

- A. Scaring
- B. Horrible
- C. Delectable
- D. Soothing ✓ **Correct answer**

A. Wrong: scaring is close in meaning to terrible, not its antonym.

B. Wrong: horrible is a synonym of terrible, not its antonym.

C. Wrong: delectable means delicious or delightful; it is not the antonym of terrible.

D. Correct: the antonym of terrible is soothing: soothing means calming and pleasant, the opposite of terrible.

Question 27 General Knowledge

Which UN body deals with Population Problems?

- A. UNDP
- B. UNFPA ✓ **Correct answer**
- C. UNICEF
- D. UNESCO

e UNDP is the United Nations Development Programme; it does not deal specifically with population problems.

B. Correct: the UNFPA (United Nations Population Fund) is the UN body that deals with population problems.

C. Wrong: UNICEF deals with children, not with population problems as such.

D. Wrong: UNESCO deals with education, science and culture, not with population problems as such.

Question 28 English (Grammar)

Change the narration of the sentence: He said to her, "You had already disturbed me a lot".

- A. He told her that you had already disturbed him a lot.
- B. He told her that she had already disturbed him a lot. ✓ **Correct answer**
- C. He told her that she has already disturbed him a lot.
- D. None of these

A. Wrong: in narration the second-person pronoun must change: you becomes she, so this option, which keeps you, is wrong.

B. Correct: in indirect speech He said to her, You had already disturbed me a lot becomes: He told her that she had already disturbed him a lot (you becomes she, me becomes him, and the past perfect had disturbed stays unchanged).

C. Wrong: the tense is wrong: has disturbed is present perfect, but the reported verb must stay in the past perfect, had disturbed.

D. Wrong: option B is among the options and is correct, so this does not apply.

29 English (Vocabulary)

The literal meaning of the word "Ethics" is _____?

- A. Understand human nature
- B. Study of morality ✓ **Correct answer**
- C. Both A and B
- D. None of these

A. Wrong: understand human nature is not the literal meaning of ethics.

B. Correct: the literal meaning of ethics is the study of morality (from the Greek ethos, character or custom).

C. Wrong: Both A and B cannot be right, because A is wrong.

D. Wrong: Study of morality is among the options and is correct, so this does not apply.

Question 30 Biology

Which of the following has the highest protein content per gram?

- A. Wheat
- B. Apple
- C. Soya bean ✓ **Correct answer**
- D. None of these

A. Wrong: wheat has far less protein per gram than soya bean.

B. Wrong: apple has very little protein per gram, far less than soya bean.

C. Correct: soya bean has the highest protein content per gram of the options (about 36 g of protein per 100 g, against about 13 g for wheat and almost none for apple).

D. Wrong: soya bean is among the options and is correct, so this does not apply.

31 General Knowledge

Which SAARC Member Country has Largest Literacy Rate among the following?

- A. Sri Lanka ✓ **Correct answer**
- B. Bangladesh
- C. China
- D. None of these

A. Correct: Sri Lanka has the largest (highest) literacy rate among the SAARC member countries listed.

B. Wrong: Bangladesh has a lower literacy rate than Sri Lanka.

C. Wrong: China is not a SAARC member country at all, so it cannot be the answer.

D. Wrong: Sri Lanka is among the options and is correct, so this does not apply.

Question 32 Pakistan Studies

Hingol National Park, located in Makran District, Balochistan is famous for its ?

- A. Mud Volcanoes ✓ **Correct answer**
- B. Archeological sites
- C. Thick forest cover
- D. None of these

A. Correct: Hingol National Park in Makran District, Balochistan, is famous for its mud volcanoes.

B. Wrong: Hingol is not famous for archaeological sites; it is famous for its mud volcanoes.

C. Wrong: Hingol is not famous for thick forest cover; it is famous for its mud volcanoes.

D. Wrong: Mud Volcanoes is among the options and is correct, so this does not apply.

33 Geography

The world's highest mountain peak is in _____?

- A. Italy
- B. China
- C. Nepal ✓ **Correct answer**
- D. Sri lanka

A. Wrong: the world's highest mountain peak is not in Italy.

B. Wrong: the world's highest peak, Mount Everest, is not counted as being in China alone; it is in Nepal (on the Nepal-China border).

C. Correct: the world's highest mountain peak, Mount Everest, is in Nepal.

D. Wrong: the world's highest mountain peak is not in Sri Lanka.

Question 34 Current Affairs

Jamal Khashoggi was a columnist for _____?

- A. New York Times
- B. The Washington Post ✓ **Correct answer**
- C. Guardian
- D. None of these

A. Wrong: Jamal Khashoggi was not a columnist for the New York Times.

B. Correct: Jamal Khashoggi was a columnist for The Washington Post.

C. Wrong: Jamal Khashoggi was not a columnist for the Guardian.

D. Wrong: The Washington Post is among the options and is correct, so this does not apply.

35 Economics

A voucher may be _____?

- A. Bank receipt
- B. Wages sheet
- C. Payment bill
- D. All of these ✓ **Correct answer**

A. Wrong: a bank receipt can be a voucher, but it is not the complete answer: a voucher may also be a wages sheet or a payment bill, so D covers all of them.

B. Wrong: a wages sheet can be a voucher, but it is not the complete answer: a voucher may also be a bank receipt or a payment bill, so D covers all of them.

C. Wrong: a payment bill can be a voucher, but it is not the complete answer: a voucher may also be a bank receipt or a wages sheet, so D covers all of them.

D. Correct: a voucher may be all of these: a bank receipt, a wages sheet and a payment bill are all forms a voucher may take.

Question 36 Sports

Which is the Largest Cricket Stadium in Pakistan?

- A. National Stadium Karachi ✓ **Correct answer**
- B. Iqbal Stadium Faisalabad
- C. Qaddafi Stadium Lahore
- D. None of these

A. Correct: the National Stadium Karachi is the largest cricket stadium in Pakistan.

B. Wrong: Iqbal Stadium Faisalabad is smaller than the National Stadium Karachi.

C. Wrong: Qaddafi Stadium Lahore is smaller than the National Stadium Karachi.

D. Wrong: the National Stadium Karachi is among the options and is correct, so this does

Question 37 Economics

Direct taxes are not included in _____?

- A. DPI
- B. NNP
- C. PI
- D. Both A and B ✓ **Correct answer**

A. Not picked: DPI is the textbook answer: direct taxes are not included in disposable personal income, so A alone is defensible, but the printed key picks D.

B. Not picked: NNP is also defensible, since direct taxes are not a component of NNP, but the printed key picks D.

C. Not picked: the file's recorded reasoning does not make PI the intended answer; the printed key picks D, Both A and B.

D. Correct (picked): Both A and B: the printed key D is kept as the intended answer — DPI is the textbook answer (direct taxes are excluded from disposable personal income) and NNP is also defensible, so D covers both.

Question 38 General Knowledge

Which is known as the City of Skyscrapers?

- A. New York ✓ **Correct answer**
- B. Paris
- C. Belgium
- D. Chicago

A. Correct: New York is known as the City of Skyscrapers.

B. Wrong: Paris is not known as the City of Skyscrapers.

elgium is a country, not a city, and it is not known as the City of Skyscrapers.

D. Wrong: Chicago has many skyscrapers, but the City of Skyscrapers is New York.

Question 39 Economics

Stock indexes at Tokyo are known by their popular name of ?

- A. Nikkie ✓ **Correct answer**
- B. FTSc
- C. Hang Song
- D. None of these

A. Correct: the Tokyo stock index is known by its popular name Nikkei (printed Nikkie in the reproduction).

B. Wrong: FTSE (printed FTSc) is the London stock index, not the Tokyo one.

C. Wrong: Hang Seng (printed Hang Song) is the Hong Kong stock index, not the Tokyo one.

D. Wrong: Nikkie is among the options and is correct, so this does not apply.

Question 40 Economics

In economics, the pleasure, happiness, or satisfaction received from a product is called _____?

- A. Utility ✓ **Correct answer**
- B. Marginal cost
- C. Rational outcome
- D. None of these

A. Correct: in economics the pleasure, happiness or satisfaction received from a product is called utility.

Marginal cost is the cost of producing one extra unit, not the satisfaction received from a product.

C. Wrong: rational outcome is not the term for the satisfaction received from a product; utility is.

D. Wrong: Utility is among the options and is correct, so this does not apply.

Question 41 Everyday Science

Which of the following is an airborne disease?

- A. Typhoid
- B. Measles ✓ **Correct answer**
- C. Cholera
- D. None of these

A. Wrong: typhoid is a water- and food-borne disease, not an airborne one.

B. Correct: measles is an airborne disease, spread through the air in droplets.

C. Wrong: cholera is a water-borne disease, not an airborne one.

D. Wrong: Measles is among the options and is correct, so this does not apply.

Question 42 English (Vocabulary)

The Synonym of Stumbling block is?

- A. Hurdle ✓ **Correct answer**
- B. Advantage
- C. Frustration
- D. None of these

A. Correct: the synonym of stumbling block is hurdle: both mean an obstacle in the way.

B. Wrong: advantage is the opposite of a stumbling block, not its synonym.

ustration is a feeling, not a synonym of stumbling block.

D. Wrong: Hurdle is among the options and is correct, so this does not apply.

Question 43 English (Grammar)

Find the error: Of all the disasters that occured during the movie's production, the death of the two stars who performed their stunts were surely the worst.

- A. Worst
- B. Of all the disasters
- C. Were ✓ **Correct answer**
- D. None of these

A. Wrong: worst is the correct superlative here; the error is not in this word.

B. Wrong: Of all the disasters is correct; the error is not in this phrase.

C. Correct: the error is Were: the subject of the verb is the death (singular), so the verb must be was, not were.

D. Wrong: there is an error in the sentence (Were), so this does not apply.

Question 44 Geography

A Canyon is a large form of _____?

- A. Badland
- B. Gorge ✓ **Correct answer**
- C. Dry Valley
- D. None of these

A. Wrong: a badland is an eroded arid landscape, not a large form of a canyon.

B. Correct: a canyon is a large form of a gorge (a deep, narrow valley with steep sides).

C. Wrong: a dry valley is not what a canyon is a large form of; a canyon is a large gorge.

orge is among the options and is correct, so this does not apply.

Question 45 Economics

What is the name of economist who developed the current Human Development Index (HDI)?

- A. Dr. Qaisar Bengali
- B. Dr. Mahbub ul Haq ✓ **Correct answer**
- C. Dr. Hafeez Pasha
- D. None of these

A. Wrong: Dr. Qaisar Bengali did not develop the Human Development Index; Dr. Mahbub ul Haq did.

B. Correct: the economist who developed the current Human Development Index (HDI) is Dr. Mahbub ul Haq of Pakistan.

C. Wrong: Dr. Hafeez Pasha did not develop the Human Development Index; Dr. Mahbub ul Haq did.

D. Wrong: Dr. Mahbub ul Haq is among the options and is correct, so this does not apply.

Question 46 General Science

Which of the following is the era of the origin of the Continental Shelf?

- A. Paleozoic ✓ **Correct answer**
- B. Mesozoic
- C. Cambium
- D. None of these

A. Correct: the era of the origin of the continental shelf is the Paleozoic: the early Paleozoic (Cambrian) North American continent already carried an expansive shallow continental shelf.

e Mesozoic is a later era, the continental shelf originated in the Paleozoic.

C. Wrong: Cambium is a misspelling of Cambrian, which is itself a period within the Paleozoic, not the era of the origin of the continental shelf.

D. Wrong: Paleozoic is among the options and is correct, so this does not apply.

Question 47 English (Grammar)

The had seen all of _____ friends except Aliza and _____ at the restaurant.

- A. There, I
- B. Their, I
- C. Their, Me ✓ **Correct answer**
- D. None of these

A. Wrong: There is the wrong word (it means in that place, not belonging to them) and I is the wrong pronoun after except; the answer needs Their, Me.

B. Wrong: Their is right, but I is the wrong pronoun after except; the object pronoun Me is needed.

C. Correct: the sentence needs the possessive Their (all of their friends) and the object pronoun Me after except: The had seen all of their friends except Aliza and me at the restaurant.

D. Wrong: Their, Me is among the options and is correct, so this does not apply.

Question 48 General Knowledge

Vienna is the capital of which country?

- A. Austria ✓ **Correct answer**
- B. Australia
- C. England
- D. Japan

Vienna is the capital of Austria.

B. Wrong: Australia's capital is Canberra, not Vienna; the similar name is a trap.

C. Wrong: England's capital is London, not Vienna.

D. Wrong: Japan's capital is Tokyo, not Vienna.

Question 49 English (Grammar)

They went _____ the rain.

- A. Under
- B. Avoiding
- C. Inspite
- D. Despite ✓ **Correct answer**

A. Wrong: Under is the wrong preposition here; they went despite the rain, not under the rain.

B. Wrong: Avoiding does not fit the sentence; they went despite the rain.

C. Wrong: Inspite is not the correct form; the single-word preposition needed here is Despite (in spite of would need of).

D. Correct: the sentence is: They went despite the rain — despite takes the noun phrase the rain directly.

Question 50 Physics

Which of the following has the highest energy?

- A. Alpha
- B. Beta
- C. Gamma ✓ **Correct answer**
- D. X-rays

ona particles have the lowest energy of the options listed.

B. Wrong: beta particles have less energy than gamma rays.

C. Correct: gamma rays have the highest energy of the options listed (the highest frequency and shortest wavelength).

D. Wrong: X-rays have high energy, but less than gamma rays.

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