FPSC Research Officer in Senate | BS-17 | Senate — GUESS PAPER 2027 (Set 1 of 2) · Predicted Questions

Body: Federal Public Service Commission (FPSC) · **Post:** Research Officer in Senate | BS-17 | Senate · **Set:** 1 of 2 · **Questions:** 100 predicted — 0 repeated questions, 99 verified facts predicted to recur, 1 syllabus anchors · **Price:** Free

GUESS PAPER — predicted questions for the upcoming exam, NOT a past paper. Every question below is a prediction: it is here because the same question, the same fact, or the same topic appeared in verified FPSC Research Officer in Senate | BS-17 | Senate past papers. **No pass guarantee.** A guess paper raises the odds; it does not promise a result. Answers are the best-supported answers, not exam keys.

> **How to use this paper:** study the basis under each question, not just the answer — the real paper will ask the same topics in different words. Revise the underlying topic, not only the four options. Do not quote any item as "asked in the 2027 exam" — nothing here has been asked yet.

Question 1 English

More than nine-tenths of all coal is _____ the electricity sector.

- A. won by
- B. consumed by ✓ **Predicted answer**
- C. earmarked by
- D. retained by

Why this answer? Over 90 per cent of coal is consumed by the electricity sector.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010

tem - coal consumed by the electricity sector).

Question 2 English

Which of these can come out of trades made off the market as well as trades made on the market?

- A. Registrations
- B. Transfers ✓ **Predicted answer**
- C. Alterations
- D. Allocation

Why this answer? Transfers can arise out of off-market trades or market trades.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q2 (verified item - transfers arise from off-market or market trades).

Question 3 English

In a newspaper article last month, the burger chain _____ its year-end store count.

- A. confessed
- B. retaliated
- C. engaged
- D. disclosed ✓ **Predicted answer**

Why this answer? The burger giant disclosed (revealed) its year-end store count.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q3 (verified item - burger giant disclosed its store count).

Question 4 English

The doctor told him to eat mango, _____ vitamins A, C and D.

- A. which is a rich source ✓ **Predicted answer**

- C. That provided him
- D. which is richly supplied

Why this answer? Mango is a rich source of vitamins A, C and D, so the clause fits.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q4 (verified item - mango is a rich source of vitamins A, C and D).

Question 5 English

While still very young, he _____ as a mining engineer.

- A. activated his life
- B. arrived at his destiny
- C. began his career ✓ **Predicted answer**
- D. train himself

Why this answer? At a very young age, he began his career as a mining engineer.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q5 (verified item - began his career as a mining engineer).

Question 6 English

Money _____ is made up of coins, paper money and bank deposits that can be withdrawn.

- A. as an advance
- B. as a means of payment ✓ **Predicted answer**
- C. as it implies
- D. as a means of salary

Why this answer? Money, as a means of payment, consists of coins, paper money and bank deposits that can be withdrawn.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010

tem - money as a means of payment).

Question 7 English

Major chemicals pass through several stages of processing _____ downstream chemicals.

- A. to renovate
- B. to be converted ✓ **Predicted answer**
- C. to be improved
- D. so as to be adopted

Why this answer? Major chemicals undergo processing to be converted into downstream chemicals.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q7 (verified item - chemicals processed to be converted).

Question 8 English

Like evolution theory, the big-bang model has been modified and _____, yet it has _____ every serious challenge.

- A. alteration confirmed
- B. refinement resisted ✓ **Predicted answer**
- C. transformation, ignored
- D. evaluation acknowledged

Why this answer? The big-bang model has undergone refinement and resisted all serious challenges.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q8 (verified item - big-bang model refined and resisted challenges).

9 English

With multinational companies entering the market, domestic companies are at a low ebb these days. What does at a low ebb mean here?

- A. Without profit
- B. With less profit
- C. On the decline ✓ **Predicted answer**
- D. With moderate profit

Why this answer? At a low ebb means on the decline, at a low point.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q9 (verified item - at a low ebb means on the decline).

Question 10 English

A person who is given duties to perform must also be _____.

- A. enforced with law as well
- B. given necessary authority also ✓ **Predicted answer**
- C. assigned necessary duties
- D. able to realize the law

Why this answer? Authority must go with responsibility: a person given duties must also be given the authority to carry them out.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q10 (verified item - duties must come with authority).

Question 11 English

He is greatly admired for his _____ behaviour. Which word fits?

- A. decadent
- B. decorative

orous ✓ **Predicted answer**

- D. decrepit

Why this answer? Decorous means proper and dignified, behaviour to be admired.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q11 (verified item - decorous behaviour admired).

Question 12 English

Hindus believe that release from the cycle of birth and rebirth comes only through good deeds. Which word names that release?

- A. deliverance ✓ **Predicted answer**
- B. delivery
- C. bondage
- D. retirement

Why this answer? Deliverance (moksha) from the cycle of birth and rebirth is attained by good deeds.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q12 (verified item - deliverance from birth and rebirth).

Question 13 English

He works in conditions that make it _____ for him to keep his self-respect.

- A. low
- B. difficult ✓ **Predicted answer**
- C. inimical
- D. humiliating

Why this answer? It is difficult for him to maintain his self-respect under such conditions.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010

item - difficult to maintain self-respect).

Question 14 English

American speech is a _____, neither purely American, Oxford English nor colloquial English, but a _____ of all three.

- A. motley - an enhancement
- B. hybrid - a combination ✓ **Predicted answer**
- C. nasal - a blend
- D. mangled - a medley

Why this answer? American speech is a hybrid, a combination of American, Oxford English and colloquial English.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q14 (verified item - American speech is a hybrid combination).

Question 15 English

Nareen caught a cold and missed the party, so I bought her a cake to make up for her ____.

- A. disappointment ✓ **Predicted answer**
- B. depression
- C. disillusion
- D. disgust

Why this answer? The cake was to make up for her disappointment at missing the party.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q15 (verified item - cake to make up for her disappointment).

16 English

Would you mind _____ to the principal how the trouble started?

- A. remarking
- B. explaining ✓ **Predicted answer**
- C. telling
- D. talking

Why this answer? Would you mind explaining to the principal how the trouble started is the correct form.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q16 (verified item - mind explaining to the principal).

Question 17 English

The world is so made that if you wish to enjoy its pleasures, you must also _____ its pains.

- A. deny
- B. neglect
- C. endure ✓ **Predicted answer**
- D. ignore

Why this answer? To enjoy the pleasures of the world, you must also endure its pains.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q17 (verified item - enjoy pleasures, endure pains).

Question 18 English

The drug will have a pernicious effect on your health. Pernicious means:

- A. ruinous ✓ **Predicted answer**
- B. Pornographic
- C. Prolonged

Why this answer? Pernicious means harmful or ruinous.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q18 (verified item - pernicious means ruinous).

Question 19 English

Japans industrial success is _____ in part to its tradition of group effort and _____, rather than the emphasis on personal achievement found in other industrial nations.

- A. attributed, cooperation ✓ **Predicted answer**
- B. responsive, independence
- C. related, introspection
- D. equaling, solidarity

Why this answer? Japans industrial success is attributed in part to its tradition of group effort and cooperation.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q19 (verified item - Japan success attributed to group effort and cooperation).

Question 20 English

What does the phrase to be led astray mean?

- A. get into trouble
- B. Killed
- C. lose the job
- D. misguided ✓ **Predicted answer**

Why this answer? To be led astray means to be misguided, led into wrong ways.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q20 (verified item - led astray means misguided).

21 Pakistan Studies

Who was the first person to hold the rank of Air Marshal in Pakistan?

- A. Yahya Khan
- B. Amjad Hussain
- C. Kalim Saadat
- D. Asghar Khan ✓ **Predicted answer**

Why this answer? Asghar Khan was the first Air Marshal (and first Commander-in-Chief) of the Pakistan Air Force.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q21 (verified item - first Air Marshal - Asghar Khan).

Question 22 Pakistan Studies

Whose translation of the Holy Quran into Urdu came first?

- A. Shah Waliullah
- B. Shah Abdul Aziz
- C. Abdul Qadir ✓ **Predicted answer**
- D. Ahmad Raza Khan

Why this answer? Shah Abdul Qadir, son of Shah Abdul Aziz, made the first Urdu translation of the Quran.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q22 (verified item - first Urdu translation - Abdul Qadir).

Question 23 Pakistan Studies

In which territory is Mangla Dam situated?

- A. N.W.F.P
- B. Punjab

- D. Azad Kashmir ✓ **Predicted answer**

Why this answer? Mangla Dam is in Mirpur, Azad Jammu and Kashmir.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q24 (verified item - Mangla Dam in Azad Kashmir).

Question 24 Pakistan Studies

In which year did the North-West Frontier Province get the status of a province?

- A. 1930
- B. 1940
- C. 1935 ✓ **Predicted answer**
- D. 1947

Why this answer? The North-West Frontier Province got provincial status under the Government of India Act 1935 (effective 1937).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q27 (verified item - NWFP provincial status 1935).

Question 25 Pakistan Studies

In which year did Gwadar become part of Pakistan?

- A. 1947
- B. 1950
- C. 1958 ✓ **Predicted answer**
- D. 1956

Why this answer? Pakistan bought Gwadar from Oman in 1958.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q28 (verified item - Gwadar became part of Pakistan 1958).

26 Pakistan Studies

Who presented the Objectives Resolution?

- A. Liaquat Ali Khan ✓ **Predicted answer**
- B. Quaid-e-Azam
- C. Major General Sikandar Mirza
- D. Malik Ghulam Muhammad

Why this answer? Liaquat Ali Khan presented the Objectives Resolution in March 1949.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q29 (verified item - Objectives Resolution presented by Liaquat Ali Khan).

Question 27 Pakistan Studies

On which date did Pakistan become a member of the United Nations?

- A. 14 August 1947
- B. 24 October 1947
- C. 30 September 1947 ✓ **Predicted answer**
- D. 30 November 1947

Why this answer? Pakistan became a member of the United Nations on 30 September 1947.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q30 (verified item - Pakistan joined UNO 30 September 1947).

Question 28 Pakistan Studies

What was the real name of Sher Shah Suri?

- A. Farid ✓ **Predicted answer**
- B. Aurangzeb
- C. Abeer

Why this answer? Sher Shah Suris real name was Farid Khan.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q81 (verified item - Sher Shah Suri real name Farid).

Question 29 Pakistan Studies

Who was Mujaddid Alf Sani?

- A. Sheikh Ahmad Sarhandi ✓ **Predicted answer**
- B. Ahmad Shah Aziz
- C. Sheikh Mubarat Alt Sarhandi
- D. Sheikh Aziz Ahmad

Why this answer? Mujaddid Alf Sani was Sheikh Ahmad Sirhindi (filed Sarhandi).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q82 (verified item - Mujaddid Alf Sani - Sheikh Ahmad Sirhindi).

Question 30 Pakistan Studies

In which battle was Haider Ali defeated and forced to flee the battlefield?

- A. Panipat
- B. Mysore
- C. Jadi Hanvali ✓ **Predicted answer**
- D. Carnatica

Why this answer? The paper names this battle as the one where Haider Ali was defeated and forced to flee.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q83 (verified item - Haider Ali defeated at Jadi Hanvali).

31 Pakistan Studies

For saving the country from the Marhattas and forcing them to retreat, Haider Ali received which title?

- A. Amir-ul-Mulk
- B. Fath Bahadur ✓ **Predicted answer**
- C. Shams-ud-Dola
- D. Shams Bahadur

Why this answer? The paper names Fath Bahadur as the title Haider Ali received.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q84 (verified item - Haider Ali title Fath Bahadur).

Question 32 Pakistan Studies

Under the Subsidiary system, if a ruler ran short of money to pay the British for their protection, what would he have to do?

- A. Go for a walk
- B. Sell a portion of his territory to British ✓ **Predicted answer**
- C. Abdicate from throne
- D. None

Why this answer? Under the Subsidiary Alliance, a ruler short of money had to cede (sell) part of his territory to the British.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q85 (verified item - Subsidiary system - sell territory when short of money).

Question 33 Pakistan Studies

In 1857, the rebel army marched towards Delhi and declared whom as their emperor?

- A. Mirza Mughal their leader

ht Khan as a emperor

- C. Bahadur Shah Zafar as their emperor ✓ **Predicted answer**
- D. None

Why this answer? In 1857 the rebel army marched to Delhi and proclaimed Bahadur Shah Zafar as emperor.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q86 (verified item - 1857 rebels declared Bahadur Shah Zafar emperor).

Question 34 Pakistan Studies

At which place was the first bullet of the War of Independence fired?

- A. Delhi
- B. Agra
- C. Kanpur
- D. Barrackpore ✓ **Predicted answer**

Why this answer? The first shot of 1857 was fired at Barrackpore (filed Barikpur), by Mangal Pandey on 29 March 1857.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q87 (verified item - first bullet fired at Barrackpore).

Question 35 Pakistan Studies

What was the real purpose of the Subsidiary system, though it seemed intended to help local rulers?

- A. establish British power in Sub-continent ✓ **Predicted answer**
- B. give boost to trade in Sub continent
- C. gain agricultural advantages
- D. build warehouses in Sub continent

swer? The Subsidiary Alliances real purpose was to establish British power and control over the Indian states.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q88 (verified item - Subsidiary system purpose - establish British power).

Question 36 Pakistan Studies

What were local rulers forced to accept?

- A. Dual System
- B. Permanent settlement
- C. Subsidiary system ✓ **Predicted answer**
- D. None

Why this answer? Local rulers were forced to accept the Subsidiary Alliance system.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q89 (verified item - local rulers forced to accept Subsidiary system).

Question 37 Pakistan Studies

Tipu Sultan refused the Subsidiary system; the British waged war against him and occupied which place?

- A. Orissa
- B. Deccan
- C. Mysore ✓ **Predicted answer**
- D. Surat

Why this answer? After the Fourth Anglo-Mysore War (1799), the British occupied Mysore.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q90 (verified item - British occupied Mysore after war with Tipu Sultan).

38 General Knowledge

Where is the International Court of Justice located?

- A. London
- B. New York
- C. Paris
- D. Hague ✓ **Predicted answer**

Why this answer? The International Court of Justice sits at The Hague, Netherlands.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q23 (verified item - ICJ at The Hague).

Question 39 General Knowledge

What is the capital of Morocco?

- A. Suva
- B. Rabat ✓ **Predicted answer**
- C. Accra
- D. None

Why this answer? Rabat is the capital of Morocco.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q25 (verified item - capital of Morocco - Rabat).

Question 40 General Knowledge

Which country is called the land of a Thousand Lakes?

- A. Indonesia
- B. Finland ✓ **Predicted answer**
- C. Thailand
- D. Japan

swer? Finland is called the Land of a Thousand Lakes.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q26 (verified item - Finland - land of Thousand Lakes).

Question 41 General Knowledge

Pedagogy is the science of what?

- A. Teaching ✓ **Predicted answer**
- B. Birds
- C. Space
- D. Pharmacy

Why this answer? Pedagogy is the science (method and practice) of teaching.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q31 (verified item - pedagogy is science of teaching).

Question 42 General Knowledge

Where is the headquarters of EFTA?

- A. London
- B. Rome
- C. Paris
- D. Geneva ✓ **Predicted answer**

Why this answer? The European Free Trade Association is headquartered in Geneva, Switzerland.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q32 (verified item - EFTA headquarters Geneva).

43 General Knowledge

Which is the youngest mountain range in the world?

- A. Satpura
- B. Alps
- C. Himalaya ✓ **Predicted answer**
- D. None

Why this answer? The Himalaya is the youngest mountain range in the world.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q33 (verified item - youngest mountain range - Himalaya).

Question 44 General Knowledge

When the stock market is going down, what is it called?

- A. Bearish ✓ **Predicted answer**
- B. Bullish
- C. Crashing
- D. Slumberous

Why this answer? A falling market is called a bearish (bear) market.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q34 (verified item - falling market is bearish).

Question 45 General Knowledge

Who painted the famous painting Sunflowers?

- A. Michael Angelo
- B. Pablo Picasso
- C. Leonardo da Vinci
- D. Van Gogh ✓ **Predicted answer**

swer? Vincent van Gogh painted the Sunflowers series.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q35 (verified item - Sunflowers painted by Van Gogh).

Question 46 General Knowledge

The Thomas Cup is awarded in which game?

- A. Lawn Tennis
- B. Badminton ✓ **Predicted answer**
- C. Golf
- D. Table Tennis

Why this answer? The Thomas Cup is the mens world team badminton championship.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q36 (verified item - Thomas Cup - badminton).

Question 47 General Knowledge

In which country is Lake Baikal situated?

- A. Kazakhstan
- B. USA
- C. Angola
- D. Russia ✓ **Predicted answer**

Why this answer? Lake Baikal is in Siberia, Russia.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q37 (verified item - Lake Baikal in Russia).

Question 48 General Knowledge

Through which of these countries does the Yangtze river NOT pass?

ngolia

- B. Thailand
- C. Taiwan
- D. All of these ✓ **Predicted answer**

Why this answer? The Yangtze flows entirely within China, so it passes through none of Mongolia, Thailand or Taiwan.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q38 (verified item - Yangtze passes through none of these).

Question 49 General Knowledge

By what popular name are the stock indices at Tokyo known?

- A. Nikkei ✓ **Predicted answer**
- B. Dow Jones
- C. Hang Seng
- D. FTSE

Why this answer? The Nikkei is the Tokyo stock market index.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q39 (verified item - Tokyo indices - Nikkei).

Question 50 General Knowledge

In torts, what does the principle Restitutio in integrum mean?

- A. Compensation for damages
- B. Restriction on integration
- C. Restoration to the original condition ✓ **Predicted answer**
- D. None

Why this answer? Restitutio in integrum is the principle of restoring the injured party to

they were in before the wrong.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q40 (verified item - restitutio in integrum - restoration to original condition).

Question 51 General Knowledge

Under the Factories Act 1934, what is the maximum an adult worker may be required to work each day and each week?

- A. 7 hours a day and 42 hours a week
- B. 9 hours a day and 48 hours a week ✓ **Predicted answer**
- C. 8 hours a day and 48 hours a week
- D. 8 hours a day and 56 hours a week

Why this answer? Under the Factories Act 1934, an adult worker may not work more than 9 hours a day or 48 hours a week.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q41 (verified item - Factories Act 1934 limits 9 hours a day, 48 a week).

Question 52 General Knowledge

Sui generis is a Latin term meaning what?

- A. Generous
- B. Sui gas
- C. Unique ✓ **Predicted answer**
- D. Common

Why this answer? Sui generis means of its own kind, unique.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q42 (verified item - sui generis means unique).

53 General Knowledge

Which one of the following statements is false?

- A. Unenforceable means that there is no remedy for breach of our convention
- B. The law of the Constitution are in forceable in the courts
- C. Constitution conventions are not binding on anyone ✓ **Predicted answer**
- D. The conversations of the constitution are binding political rules which are not enforceable in the courts

Why this answer? This is the false statement: constitutional conventions ARE binding political rules, even though they are not enforceable in the courts.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q43 (verified item - false statement - conventions are not binding on anyone).

Question 54 General Knowledge

At the time of partition, Sylhet District was part of which province?

- A. Bengal
- B. Bihar
- C. United Province
- D. Assam ✓ **Predicted answer**

Why this answer? At the time of partition, Sylhet District was part of Assam province (it voted by referendum to join East Bengal).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q44 (verified item - Sylhet was part of Assam at partition).

Question 55 General Knowledge

A voucher may be which of the following?

- A. All of these ✓ **Predicted answer**

ment bill

- C. Wages Sheet
- D. Bank Receipt

Why this answer? A voucher may take any of these forms.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q45 (verified item - voucher may be all of these).

Question 56 General Knowledge

A change in a persons behaviour brought about by information and experience is called what?

- A. Learning ✓ **Predicted answer**
- B. Role Selection
- C. Perception
- D. Motivation

Why this answer? A change in behaviour brought about by information and experience is learning.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q46 (verified item - behaviour change from experience - learning).

Question 57 General Knowledge

What was the name of the Libyan king deposed by Colonel Gaddafi in 1969?

- A. King Idris ✓ **Predicted answer**
- B. King Abdullah
- C. King Saud
- D. King Sadaat

Why this answer? King Idris I of Libya was deposed by Gaddafi in 1969.

ed [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q47 (verified item - Libyan king deposed 1969 - King Idris).

Question 58 General Knowledge

Where is the headquarters of APEC (Asia-Pacific Economic Cooperation)?

- A. China
- B. Japan
- C. Malaysia
- D. Singapore ✓ **Predicted answer**

Why this answer? APEC (Asia-Pacific Economic Cooperation) is headquartered in Singapore.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q48 (verified item - APEC headquarters Singapore).

Question 59 General Knowledge

What does the Kyoto Protocol deal with?

- A. Employment
- B. Agriculture
- C. None
- D. Pollution ✓ **Predicted answer**

Why this answer? The Kyoto Protocol deals with greenhouse-gas emissions (pollution) and climate change.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q49 (verified item - Kyoto Protocol - pollution).

60 Mathematics

Three coins are tossed together. What is the chance that all three show the same face?

- A. None ✓ **Predicted answer**
- B. 1/3
- C. 1/6
- D. 1/8

Why this answer? There are 8 equally likely outcomes; two of them (all heads, all tails) have all coins the same, so the probability is 2/8 = 1/4, which is not among the options.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q50 (verified item - three coins same face - probability 1/4, not listed).

Question 61 Mathematics

If the numerator and denominator of a fraction are both increased by 1, it becomes 3/5; if both are decreased by 1, it becomes 5/9. What is the fraction?

- A. 19/11
- B. 5/9
- C. None of these
- D. 11/19 ✓ **Predicted answer**

Why this answer? Let the fraction be x/y: (x + 1)/(y + 1) = 3/5 and (x - 1)/(y - 1) = 5/9; solving gives x = 11 and y = 19.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q51 (verified item - fraction 11/19).

Question 62 Mathematics

What number is 20 percent more than 9000?

- A. 10,800 ✓ **Predicted answer**

- C. 10,900
- D. None of the above

Why this answer? 20 percent of 9,000 is 1,800, and 9,000 + 1,800 = 10,800.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q52 (verified item - 20 percent more than 9000 is 10800).

Question 63 Mathematics

Six times the sum of the digits of a two-digit number is one less than the number and eight more than the number got by reversing its digits. What is the product of the digits?

- A. 34
- B. 43
- C. 28
- D. 12 ✓ **Predicted answer**

Why this answer? The number is 43: six times the digit sum is 6 x 7 = 42, which is one less than 43 and eight more than the reversed number 34; the product of the digits is 4 x 3 = 12.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q53 (verified item - two-digit number 43, digit product 12).

Question 64 Mathematics

A man buys two clocks A and B for Rs. 650 in total. He sells A at 20 percent profit and B at 25 percent loss and gets the same selling price for both. What were the buying prices of A and B?

- A. Rs. 225; Rs. 425
- B. Rs. 275; Rs. 375
- C. Rs. 300; Rs. 350

250, Rs. 400 ✓ **Predicted answer**

Why this answer? The total is 650, and 1.2 x 250 = 300 equals 0.75 x 400 = 300, so the selling prices match.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q54 (verified item - clocks bought for Rs. 250 and Rs. 400).

Question 65 Mathematics

If 15 pumps of equal capacity can fill a tank in 7 days, how many extra pumps are needed to fill it in 5 days?

- A. 7
- B. 14
- C. 21
- D. 6 ✓ **Predicted answer**

Why this answer? The job needs 15 x 7 = 105 pump-days; in 5 days it needs 105 / 5 = 21 pumps, which is 6 more than 15.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q55 (verified item - extra pumps needed - 6).

Question 66 Mathematics

A man is 24 years older than his son. In 2 years his age will be twice his sons age. What is the sons present age?

- A. 12 years
- B. 15 years
- C. 22 years ✓ **Predicted answer**
- D. 18 years

Why this answer? Let the son be s: the man is s + 24; in 2 years, s + 26 = 2(s + 2), giving s =

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q56 (verified item - son present age 22 years).

Question 67 Mathematics

Six years ago the ratio of Khalids and Saddams ages was 6:5. Four years from now the ratio of their ages will be 11:10. What is Saddams present age?

- A. 16 years ✓ **Predicted answer**
- B. 20 years
- C. 22 years
- D. 25 years

Why this answer? Six years ago their ages were 6k and 5k; four years hence they are 6k + 10 and 5k + 10 in the ratio 11:10, giving k = 2, so Saddams present age is 5 x 2 + 6 = 16.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q57 (verified item - Saddam present age 16 years).

Question 68 Mathematics

A local train and an express train run in the same direction on parallel tracks at 29 km per hour and 65 km per hour. The faster train takes exactly 16 seconds to pass the driver of the slower train. How long is the faster train?

- A. 60 m
- B. 160 m ✓ **Predicted answer**
- C. 120 m
- D. 240 m

Why this answer? The relative speed is 65 - 29 = 36 km per hour = 10 m per second, and in 16 seconds the faster train covers 10 x 16 = 160 m.

ed [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q58 (verified item - faster train length 160 m).

Question 69 Mathematics

Which hurricane in October 2012 caused widespread damage in the eastern seaboard states of the USA?

- A. Katrina
- B. Sandy ✓ **Predicted answer**
- C. Isaac
- D. Irene

Why this answer? Hurricane Sandy struck the US East Coast in October 2012.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q59 (verified item - hurricane of October 2012 - Sandy).

Question 70 Mathematics

How many pieces of 85 cm length can be cut from a rod 42.5 metres long?

- A. 20
- B. 50 ✓ **Predicted answer**
- C. 40
- D. 30

Why this answer? 42.5 metres is 4,250 cm, and 4,250 / 85 = 50 pieces.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q60 (verified item - pieces from rod - 50).

Question 71 Mathematics

The sum of a fathers and his sons present ages is 60 years. Six years ago the fathers age

es the son's age. How old will the son be after 6 years?

- A. 10 years
- B. 12 years
- C. 20 years ✓ **Predicted answer**
- D. 16 years

Why this answer? Let the son be s: the father is 60 - s; six years ago, 54 - s = 5(s - 6), giving s = 14 now, so after 6 years the son will be 20.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q61 (verified item - son will be 20 after 6 years).

Question 72 Mathematics

An accurate clock shows 3.00. After the hour hand has moved through 135 degrees, what time will it show?

- A. 6.30
- B. 8.00
- C. 9.30
- D. 7.30 ✓ **Predicted answer**

Why this answer? The hour hand moves 30 degrees per hour, so 135 degrees is 4.5 hours; 3:00 plus 4.5 hours is 7:30.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q62 (verified item - clock shows 7.30 after 135 degrees).

Question 73 Mathematics

In a class, 18 boys over 160 cm tall make up three-fourths of the boys, and the boys are two-thirds of all the students. How many girls are in the class?

- A. 6

✓ Predicted answer

- C. 18
- D. 25

Why this answer? 18 boys are three-fourths of the boys, so there are 24 boys; the boys are two-thirds of the class, so the class has 36 students and 12 girls.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q63 (verified item - girls in class - 12).

Question 74 Mathematics

A wire in the form of a circle of radius 42 cm is cut and bent into a square. What is the side of the square formed?

- A. 21 cm
- B. 66 cm ✓ **Predicted answer**
- C. 33 cm
- D. 132 cm

Why this answer? The wires length is the circles circumference, 2 x 22/7 x 42 = 264 cm; bent into a square, each side is 264 / 4 = 66 cm.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q64 (verified item - square side 66 cm).

Question 75 Mathematics

The perimeter of a rectangular field is 280 m and its breadth is 60 m. What is the length of its diagonal, to the nearest whole number?

- A. 100 m ✓ **Predicted answer**
- B. 96 m
- C. 98.8 m
- D. 103.75 m

swer? The length is (280 - 120) / 2 = 80 m, and the diagonal is the square root of (80 squared + 60 squared) = 100 m.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q65 (verified item - diagonal 100 m (filed 280 cm is a unit misprint)).

Question 76 Mathematics

A bag has 20 balls: 8 green, 7 white and 5 red. How many balls must be picked blindfolded, without replacement, to be sure of picking at least one ball of each colour?

- A. 4
- B. 7
- C. 11
- D. 16 ✓ **Predicted answer**

Why this answer? In the worst case one picks all 8 green and all 7 white (15 balls) with no red; the 16th ball must be red, guaranteeing one of each colour.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q66 (verified item - minimum picks for one of each colour - 16).

Question 77 Mathematics

A club has 108 members. Two-thirds are men and the rest are women. All members are married except 9 women. How many married women are there?

- A. 27 ✓ **Predicted answer**
- B. 20
- C. 24
- D. 30

Why this answer? Two-thirds of 108 are men (72), so there are 36 women; 9 women are unmarried, leaving 36 - 9 = 27 married women.

ed [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q67 (verified item - married women - 27).

Question 78 Mathematics

A 5-foot long cylindrical pipe has an inner diameter of 6 feet and an outer diameter of 8 feet. If its total surface area (inside and out, including the ends) is k pi, what is k?

- A. 7
- B. 84 ✓ **Predicted answer**
- C. 40
- D. 48

Why this answer? Outer lateral area is pi x 8 x 5 = 40 pi, inner lateral area is pi x 6 x 5 = 30 pi, and the two ends together are 2 pi (16 - 9) = 14 pi; the total is 84 pi, so k = 84.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q68 (verified item - pipe surface area k = 84).

Question 79 Mathematics

A dishonest shopkeeper cheats by giving 20 percent less quantity than he charges for. What is his profit?

- A. 80%
- B. 75%
- C. 25% ✓ **Predicted answer**
- D. 20%

Why this answer? The customer pays for 1 kg but receives 0.8 kg, so the profit on the cost of what is given is 0.2 / 0.8 = 25 percent.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q69 (verified item - cheating shopkeeper profit 25 percent).

80 Mathematics

A traffic-light cycle takes 60 seconds: green 25 seconds, yellow 5 seconds, red 30 seconds. At a randomly chosen time, what is the probability the light is not green?

- A. 1/3
- B. 1/4
- C. 7/12 ✓ **Predicted answer**
- D. 5/12

Why this answer? The light is not green for 5 + 30 = 35 of the 60 seconds, so the probability is 35/60 = 7/12.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q70 (verified item - probability light not green - 7/12).

Question 81 Everyday Science

Which copper alloy is used for making control valves?

- A. Brass
- B. Gun metal ✓ **Predicted answer**
- C. Bronze
- D. German silver

Why this answer? Gun metal (a bronze with zinc) is the copper alloy used for control valves.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q71 (verified item - gun metal for control valves).

Question 82 Everyday Science

Which alloy is used for springs and suspension filaments in electrical instruments?

- A. Bronze

minimum bronze

- C. Phosphorus bronze ✓ **Predicted answer**
- D. German silver

Why this answer? Phosphor bronze is used for springs and suspension filaments in electrical instruments.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q72 (verified item - phosphor bronze for suspension filaments).

Question 83 Everyday Science

How many bones does a newborn baby have?

- A. 300 ✓ **Predicted answer**
- B. 306
- C. 206
- D. 200

Why this answer? A newborn baby has about 300 bones, which fuse to 206 in adulthood.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q73 (verified item - newborn baby has 300 bones).

Question 84 Everyday Science

How many bones does each leg consist of?

- A. 26
- B. 30 ✓ **Predicted answer**
- C. 27
- D. 32

Why this answer? Each leg (hip to toes) consists of 30 bones.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010

item - each leg has 30 bones).

Question 85 Everyday Science

Which ingredient is used in the largest quantity in making cement?

- A. Alumina
- B. Gypsum
- C. Silica
- D. Calcium oxide ✓ **Predicted answer**

Why this answer? Calcium oxide (lime, from limestone) is used in the largest quantity in cement manufacture.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q75 (verified item - cement largest quantity - calcium oxide).

Question 86 Everyday Science

At which temperature do the Fahrenheit and Centigrade scales read the same?

- A. 0 degree
- B. -30 degree
- C. -32 degree
- D. -40 degree ✓ **Predicted answer**

Why this answer? -40 degrees Celsius equals -40 degrees Fahrenheit, the only temperature where the two scales agree.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q76 (verified item - scales agree at -40 degrees).

Question 87 Everyday Science

Which element has 92 as its atomic number?

nium ✓ **Predicted answer**

- B. Lead
- C. Platinum
- D. Thorium

Why this answer? Uranium has atomic number 92.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q77 (verified item - atomic number 92 - uranium).

Question 88 Everyday Science

Carbon dioxide is what kind of oxide?

- A. A basic oxide
- B. A neutral oxide
- C. An atmospheric oxide
- D. An acidic oxide ✓ **Predicted answer**

Why this answer? Carbon dioxide forms carbonic acid in water, so it is an acidic oxide.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q78 (verified item - carbon dioxide is an acidic oxide).

Question 89 Everyday Science

From which source can you get the purest form of water?

- A. Rain water ✓ **Predicted answer**
- B. Mineral water
- C. River water
- D. Well water

Why this answer? Rain water (collected cleanly) is the purest natural form of water, having been distilled by evaporation.

ed [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q79 (verified item - purest water - rain water).

Question 90 Everyday Science

Iodine is given to patients suffering from which condition?

- A. Night blindness
- B. Rickets
- C. Rheumatism
- D. Goiter ✓ **Predicted answer**

Why this answer? Iodine deficiency causes goitre, and iodine is given to treat it.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q80 (verified item - iodine given for goiter).

Question 91 Islamiat

What is the nisab of Zakat on gold?

- A. 18 Tolas
- B. 24 Tolas
- C. 7.5 tolas ✓ **Predicted answer**
- D. 35 Tolas

Why this answer? The nisab of zakat on gold is 7.5 tolas (87.48 grams); the filed percent sign is a stray symbol in the option text.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q91 (verified item - nisab of zakat on gold 7.5 tolas).

Question 92 Islamiat

A verse of the Holy Quran mentions the name of which companion?

- B. Hazrat Muaaz
- C. Hazrat Zaid ✓ **Predicted answer**
- D. Hazrat Saad

Why this answer? Zaid ibn Harithah is the only companion named in the Quran (33:37).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q92 (verified item - companion named in Quran - Hazrat Zaid).

Question 93 Islamiat

In how many sheets is a Muslim woman shrouded?

- A. Five Sheets ✓ **Predicted answer**
- B. Eight Sheets
- C. One Sheets
- D. Ten Sheets

Why this answer? A Muslim female is shrouded in five sheets (a male in three).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q93 (verified item - Muslim female shrouded in five sheets).

Question 94 Islamiat

What was the original name of Imam Bukhari?

- A. Muhammad bin Ismail ✓ **Predicted answer**
- B. Saeed bin Hatem Ali
- C. Zaid
- D. Ismail

Why this answer? Imam Bukharis full name was Muhammad ibn Ismail al-Bukhari.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010

item - Imam Bukhari original name Muhammad bin Ismail).

Question 95 Islamiat

At which place is Qurbani performed during Hajj?

- A. Arafat
- B. Mina ✓ **Predicted answer**
- C. Muzdalifa
- D. Safa

Why this answer? Qurbani (sacrifice) is performed at Mina during Hajj.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q96 (verified item - Qurbani performed at Mina).

Question 96 Islamiat

Who is known as Jami-ul-Quran?

- A. Hazrat Ali (R.A)
- B. Hazrat Saad (R.A)
- C. Hazrat Usman (R.A) ✓ **Predicted answer**
- D. Hazrat Masood (R.A)

Why this answer? Usman (RA) is called Jami-ul-Quran, the compiler of the Quran.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q97 (verified item - Jami-ul-Quran - Hazrat Usman).

Question 97 Islamiat

For about how long did the Pious Caliphate last?

- A. Eighteen Years
- B. Twenty Years

Years

- D. Thirty Years ✓ **Predicted answer**

Why this answer? The Pious (Rashidun) Caliphate lasted about thirty years (632-661 AD).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q98 (verified item - Pious Caliphate lasted about thirty years).

Question 98 Islamiat

On which day is the gathering on Arafat held during Hajj?

- A. 3rd Ramzan
- B. 2nd Safar
- C. 9th Zil Hajjah ✓ **Predicted answer**
- D. 18 Shawal

Why this answer? The gathering (Wuquf) at Arafat during Hajj is on the 9th of Zulhijjah.

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q99 (verified item - Arafat gathering on 9th Zil Hajjah).

Question 99 Islamiat

Into how many stages (Manazil) is the Quran divided?

- A. 8
- B. 9
- C. 12
- D. 7 ✓ **Predicted answer**

Why this answer? The Quran is divided into 7 stages (Manazil).

Why predicted [B] — Verified fact, predicted to recur: fpsc-research-officer-senate-2010 Q100 (verified item - Quran divided into 7 stages).

100 Islamiat

How many pillars of Islam are there?

- A. Four
- B. Five ✓ **Predicted answer**
- C. Six
- D. Seven

Why this answer? The five pillars of Islam are Shahadah, Salah, Zakat, Sawm and Hajj.

Why predicted [C] — Syllabus anchor: syllabus anchor - Islamiat: the five pillars recurs in this post's sittings.

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