Elementary School Teacher (EST), Federal Government Educational Institutions (FGEI) — 2025 · Solved Past Paper

Body: Federal Public Service Commission (FPSC) · **Post:** Elementary School Teacher (EST), Federal Government Educational Institutions (FGEI) · **Year:** 2025 · **Questions:** 51 in the original paper — **51 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 2025 sitting.

Source note: testpointpk.com transcription of the FGEI EST Paper 12-10-2025 (paper-mcqs/6348; all 51 stems recovered). The Imtiaz Shahid FPSC book (Ed 61, 2026) carries this paper as Model Paper 230 (EST Batch I). All 51 answers VERIFIED against reference facts and worked derivations, decided by the assistant under the owner's 8 Nov 2026 delegation. Q24 prints five options (A–E) as filed. Dedup 13 Nov 2026: paper_id MISSING from the live index (713 papers); no live FGEI EST paper. First-8-words content screen vs 7,888 live FPSC question stems: max 3 isolated matches in one paper (fpsc-sst-fgei-2025), all standard reused GK items — not a duplicate paper.

Question 1 Mathematics

Which of these is prime number? 39, 21, 27, 31

- A. 39
- B. 21
- C. 27

Note: 31 is the only prime number among 39, 21, 27 and 31.

Question 2 Everyday Science

Which law explains the relationship between force, mass, and acceleration (Force = Mass x Acceleration)?

- A. Newton’s First Law
- B. Newton’s Second Law ✓ **Correct answer**
- C. Newton’s Third Law
- D. Law of Gravitation

Note: Newton's second law states that force equals mass times acceleration.

Question 3 Everyday Science

Which organism is known as the powerhouse of the cell?

- A. Organ powerhouse
- B. Cell membrane
- C. Cytoplasm
- D. Mitochondria ✓ **Correct answer**

Note: The mitochondria is known as the powerhouse of the cell.

Question 4 Pakistan Studies

Who drafted / presented the Objective Resolution in the constituent Assembly?

- A. Liaquat Ali Khan ✓ **Correct answer**
- B. Quaid-e-Azam
- C. Abdul Ghuffar Khan
- D. None of these

at Ali Khan presented the Objectives Resolution in the Constituent Assembly in 1949.

Question 5 Everyday Science

Deficiency of Iodine causes ____?

- A. Imbalances in fluid volume in the vessels and tissues
- B. Goiter ✓ **Correct answer**
- C. Tetnas
- D. Cancer

Note: Iodine deficiency causes goitre.

Question 6 English

If I ___ rich, I would travel the world.

- A. Was
- B. Were ✓ **Correct answer**
- C. Have
- D. None of these

Note: In the second conditional, 'were' is used after 'if I'.

Question 7 Pakistan Studies

Pakistan National Movement was formed by _____?

- A. Allama Iqbal
- B. Sir Agha Khan
- C. Ch. Rahmat Ali ✓ **Correct answer**
- D. None of these

Note: Chaudhry Rahmat Ali founded the Pakistan National Movement.

8 Everyday Science

The largest planet of the solar system is _____?

- A. Earth
- B. Mars
- C. Jupiter ✓ **Correct answer**
- D. Saturn

Note: Jupiter is the largest planet in the solar system.

Question 9 English

Idiom: Break a leg means?

- A. Wish the luck/To wish someone good luck ✓ **Correct answer**
- B. Dislocation leg inadvertently
- C. To dislocation the leg
- D. None of these

Note: 'Break a leg' is an idiom meaning to wish someone good luck.

Question 10 Pakistan Studies

Who was the first female commercial pilot of Pakistan?

- A. Shukria Khanum ✓ **Correct answer**
- B. Maryam Mukhtiar
- C. Sana Mir
- D. None of the above

Note: Shukria Khanum was Pakistan's first female commercial pilot.

Question 11 Mathematics

The area of the circle is _____?

2 ✓ Correct answer

- B. π^2r^2
- C. π^2r
- D. None

Note: The area of a circle is πr^2.

Question 12 Pakistan Studies

When was simla agreement signed?

- A. 2 July 1971
- B. 2 July 1972 ✓ **Correct answer**
- C. 2 July 1973
- D. 2 July 1974

Note: The Simla Agreement was signed on 2 July 1972.

Question 13 Everyday Science

Special theory of relativity was given by ___?

- A. Newton
- B. Albert Einstein ✓ **Correct answer**
- C. Darwan
- D. None of these

Note: Albert Einstein gave the special theory of relativity.

Question 14 Everyday Science

The genetic material in cells is _____?

- A. Chromosome
- B. RNA

A ✓ Correct answer
- D. None of these

Note: DNA is the genetic material in cells.

Question 15 Everyday Science

The clouds float in atmosphere because of _____?

- A. Low Temperature
- B. Low Velocity
- C. Low Pressure
- D. Less Density ✓ **Correct answer**

Note: Clouds float because they are less dense than the surrounding air.

Question 16 Everyday Science

Bronze is an alloy of _____?

- A. Copper and Nikal
- B. Copper and Tin ✓ **Correct answer**
- C. Copper and Steel
- D. None of these

Note: Bronze is an alloy of copper and tin.

Question 17 Everyday Science

Acid rain is mainly caused by emissions of _____?

- A. Sulfur dioxide and potassium niterate
- B. Sulfur dioxide and Nitrogen oxide in atmosphere ✓ **Correct answer**
- C. Both A and B
- D. None of these

ain is mainly caused by sulphur dioxide and nitrogen oxides.

Question 18 Everyday Science

The red pigment in blood cells is called _____?

- A. Myoglobin
- B. Chlorophyll
- C. Hemoglobin ✓ **Correct answer**
- D. None of these

Note: Haemoglobin is the red pigment in blood cells.

Question 19 Pakistan Studies

Quaid-e-Azam made his first speech at All India Radio on _____?

- A. 3rd June 1947 ✓ **Correct answer**
- B. 3rd April 1947
- C. 3rd May 1947
- D. None of these

Note: Quaid-e-Azam made his first broadcast on All India Radio on 3 June 1947.

Question 20 Pakistan Studies

What is the old name of Balochistan Capital (Quetta)?

- A. Turan
- B. Town of Sibi or Sewi
- C. Lasbela
- D. Shalkot ✓ **Correct answer**

Note: Shalkot is the old name of Quetta.

21 Pakistan Studies

On which river is Head Qadriabad is located?

- A. Jhelum
- B. Chenab ✓ **Correct answer**
- C. Indus
- D. None of these

Note: Head Qadirabad is located on the Chenab River.

Question 22 Pakistan Studies

The last town on the Karakorum Highway in Pakistan before the Chinese border is _____?

- A. Bunji
- B. Sost ✓ **Correct answer**
- C. Astore
- D. None of these

Note: Sost is the last town on the Karakoram Highway in Pakistan before the Chinese border.

Question 23 Pakistan Studies

Who wrote "Muslim League Yesterday and Today"?

- A. G. Allana
- B. G.M Naeem
- C. A.B Rajput ✓ **Correct answer**
- D. None of these

Note: A. B. Rajput wrote 'Muslim League Yesterday and Today'.

24 Pakistan Studies

Second highest civil award of Pakistan is _____?

- A. Nishan-e-Pakistan
- B. Hilal-i-Imtiaz (Hilal-e-Pakistan) ✓ **Correct answer**
- C. Sitara-e-Bisalat
- D. Nishan-e-Hyder
- E. None of these

Note: Hilal-i-Imtiaz is the second highest civil award of Pakistan (after Nishan-e-Pakistan).

Question 25 Mathematics

Square root of 1024 is _____?

- A. 32 ✓ **Correct answer**
- B. 22
- C. 44
- D. None of these

Note: The square root of 1024 is 32.

Question 26 Mathematics

Simplify: 6-3(2x+4) = 0?

- A. 1
- B. -1 ✓ **Correct answer**
- C. 0
- D. None of these

Note: 6 − 3(2x + 4) = 0 gives 6 − 6x − 12 = 0, so x = −1.

27 Mathematics

15% of 250 is _____?

- A. 25
- B. 37.5 ✓ **Correct answer**
- C. 15
- D. None of these

Note: 15% of 250 is 37.5.

Question 28 Mathematics

What is y-intercept of the line y = -3x + 7?

- A. -3
- B. 7 ✓ **Correct answer**
- C. +7
- D. None of these

Note: The y-intercept of y = −3x + 7 is 7.

Question 29 Mathematics

If a bus covers 240 km in 3 hours, what is its average speed in km/hr?

- A. 60 km/hr
- B. 80 km/hr ✓ **Correct answer**
- C. 100 km/hr
- D. None of these

Note: 240 ÷ 3 = 80 km/hr.

Question 30 Mathematics

Which is not a Pythagorean triple? (7,9,6), (3,4,5), (5,12,13), (6,8,10)

- B. (7,9,6) ✓ **Correct answer**
- C. (3,4,5)
- D. (5,12,13)

Note: $7^2 + 6^2 = 85$, not $9^2 = 81$, so (7, 9, 6) is not a Pythagorean triple; the others are.

Question 31 Mathematics

If two angles in a triangle are 45° and 55°, what is the third angle?

- A. 70°
- B. 80° ✓ **Correct answer**
- C. 90°
- D. None of these

Note: 180° − 45° − 55° = 80°.

Question 32 Mathematics

Solve: If x+y=10 and x-y=2 then x = ____?

- A. 6 ✓ **Correct answer**
- B. 8
- C. 4
- D. None of these

Note: Adding the two equations gives 2x = 12, so x = 6.

Question 33 Pedagogy

First component of lesson planning is _____?

- A. Objectives ✓ **Correct answer**
- B. Presentation

- D. Summary

Note: Objectives are the first component of lesson planning.

Question 34 Pedagogy

Demonstration means _____?

- A. To perform
- B. To develop
- C. To show ✓ **Correct answer**
- D. To observe

Note: Demonstration means to show.

Question 35 Pedagogy

An overall procedure which is adopted by a teacher to achieve certain goals?

- A. Method
- B. Technique
- C. Strategy ✓ **Correct answer**
- D. Tactic

Note: An overall procedure adopted by a teacher to achieve certain goals is a strategy.

Question 36 Pedagogy

The heart of guidance is _____?

- A. Occupational study
- B. Testing
- C. Counseling ✓ **Correct answer**
- D. None of these

Question 37 Pedagogy

The word education is derived from _____?

- A. Arabic
- B. Latin ✓ **Correct answer**
- C. Greek
- D. None of these

Note: The word 'education' is derived from Latin.

Question 38 Pakistan Studies

When Sir Syed Ahmad Khan was transferred to Aligarh, after the construction of the building for Scientific Society?

- A. 1898
- B. 1817
- C. 1864 ✓ **Correct answer**
- D. 1875

Note: Sir Syed Ahmad Khan was posted to Aligarh in 1864, the year he founded the Scientific Society there.

Question 39 Pedagogy

“To seek knowledge is the fundamental right of every individual” is said by _____?

- A. Shibli Nomani
- B. Imam Ghazali ✓ **Correct answer**
- C. Sir Syed Ahmed
- D. None of these

Ghazali is credited with this saying on the right to seek knowledge.

Question 40 Pedagogy

Try to understand something new by fitting it what is already known as?

- A. Organization
- B. Accommodation
- C. Assimilation ✓ **Correct answer**
- D. Equilibration

Note: In Piaget's theory, fitting new information into what is already known is assimilation.

Question 41 Pedagogy

Permanent change in behavior as a result of experience is _____?

- A. Learning ✓ **Correct answer**
- B. Education
- C. Experiment
- D. Innovation

Note: Learning is a permanent change in behaviour as a result of experience.

Question 42 Pedagogy

Cognitive development deals with?

- A. Body parts
- B. Mind/Brain development ✓ **Correct answer**
- C. Emotions
- D. None of them

Note: Cognitive development deals with the development of the mind and brain.

43 Pedagogy

What does Presupposition means?

- A. Argument
- B. Claim
- C. Belief ✓ **Correct answer**
- D. None of these

Note: A presupposition is something taken for granted or believed before an argument.

Question 44 English

The Synonym of COLOSSAL is?

- A. Class
- B. Gigantic
- C. Enormous
- D. Both B and C ✓ **Correct answer**

Note: 'Colossal' means both gigantic and enormous.

Question 45 English

Choose the correct active voice form of the sentence: “The package was delivered by the courier.”

- A. The courier will deliver the package
- B. The courier delivered the package ✓ **Correct answer**
- C. The courier has delivered the package
- D. None of these

Note: The active voice of 'The package was delivered by the courier' is 'The courier delivered the package'.

46 English

The team will succeed if they _____ hard.

- A. Works
- B. Worked
- C. Work ✓ **Correct answer**
- D. None of these

Note: 'The team will succeed if they work hard' uses 'work' with 'they'.

Question 47 English

The Synonym of DILATE is?

- A. Push
- B. Spin
- C. Widen ✓ **Correct answer**
- D. None of these

Note: 'Dilate' means to widen or expand.

Question 48 English

Choose the correct spelling word: Mischievous, Mischivous, Mischievos, None of these

- A. Mischievous ✓ **Correct answer**
- B. Mischivous
- C. Mischievos
- D. None of these

Note: 'Mischievous' is the correct spelling.

Question 49 English

Make direct sentence of She said, “He told me, ‘I may go to London next week’”.

said to him that I may go to London next week.

- B. He might go to London next week.
- C. She said that he had told her that he might go to London the coming week. ✓ **Correct answer**
- D. None of these

Note: The correct reported form is 'She said that he had told her that he might go to London the coming week'.

Question 50 English

People who belong to the same country are known as _____?

- A. Patriots
- B. Compatriots ✓ **Correct answer**
- C. Natives
- D. None of these

Note: People who belong to the same country are compatriots.

Question 51 Pedagogy

Learning means _____?

- A. Change in behavior ✓ **Correct answer**
- B. Teaching process
- C. Curriculum
- D. None of them

Note: Learning means a change in behaviour.

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