

SAMPLE PAPER

**OFFICER
(ELECTRICAL)**

ENGLISH

Choose the best option, from the given choices below each sentence.

1. She said that her friends _____ her.

- A) betrays
- B) betraying
- C) have betrayed
- D) had betrayed

Identify the part of the speech of the underlined word of the given sentence.

2. The zookeeper quietly set free all the wild animals.

- A) noun
- B) preposition
- C) adjective
- D) verb

Each of the following questions consists of a sentence with all or part of the sentence underlined. Following the requirements of standard written English, select (A) if the original is best; otherwise choose the best phrase from the options.

3. What are needed are not large houses but small cottages.

- A) are
- B) were
- C) was
- D) is
- E) had

Choose the best opposite of the following words.

4. DETERIORATE:

- A) deaden
- B) trust
- C) rectify
- D) drain

Choose the best same meaning of the following words.

5. DESTINY:

- A) real
- B) plan
- C) fate
- D) wish

Read the following passage to answer the given question (4)

As I walk, alone and lonely, on the streets around my small apartment, I feel a bond with virtually everyone I see: the elderly man struggling to walk up the stoop (a man who finds even the most basic tasks challenging), the child playing with a soccer ball (a blithe boy, experiencing easy joy), and even the wrinkled woman stationed behind the cash register of the convenience store, where she seems to be eight days a week (a hard worker facing a daily struggle to make a living). My own identity feels lost, wrapped up in the lives of others. And yet I realize that as I struggle to identify myself, I feel closer to the world around me and less alone.

6. The author mentions that the woman in the convenience store seems to be there "eight days a week" in order to:
- A) suggest that she makes her home at the store
 - B) indicate that she is merely part of the author's imagination
 - C) provide an anecdote about the challenges of accomplishing basic tasks
 - D) argue that convenience store workers have easy lives
 - E) highlight how hard she must work to earn a living

General Ability

7. Which country is currently is the largest source of foreign direct investment (FDI) in Pakistan?
- A) United States
 - B) China
 - C) United Arab Emirates
 - D) Saudi Arabia
8. Nobel Prize is awarded for:
- A) Physiology or Medicine
 - B) Physics and Chemistry
 - C) Literature, Peace and Economics
 - D) all of the above
9. Person below 18 years who is unable to sue or be sued without representation is called a:
- A) Juvenile
 - B) Minor
 - C) Immature
 - D) Child
10. All of the following countries possess veto-power EXCEPT:
- A) China
 - B) France
 - C) United States
 - D) Russia
 - E) Canada
11. The concept of the "Global South" in international relations primarily refers to:
- A) All countries located geographically south of the equator.
 - B) A coalition of states formerly part of the Non-Aligned Movement.
 - C) A term for countries characterized by developing economies, lower per capita income, and a history of colonization or peripheral status.
 - D) An official political and economic bloc with a permanent secretariat, similar to the United Nations
12. Which of the following is referred by per capita?
- A) By head
 - B) By law
 - C) By the way
 - D) By legal means
13. In Pakistan summer season rain fall is caused by:
- A) Due to heat
 - B) Due to cold wind
 - C) Due to storm
 - D) Due to monsoon
14. Which of the following province is the smallest according to population?
- A) Punjab
 - B) Sindh
 - C) Baluchistan
 - D) KPK

QUANTITATIVE

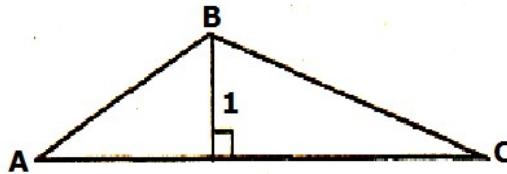
15. If the average (arithmetic means) of a and -5 is 10 , then $a =$

- A) 25
- B) 15
- C) 5
- D) -5

16. The ratio between the ages of Ahmad and Ali at present is $2 : 3$. After three years, the ratio of their ages will be $3 : 4$. Find the present age of Ahmad in years.

- A) 3
- B) 6
- C) 9
- D) 15

17. If $AC = 4$, what is the area of $\triangle ABC$ below?



- A) $\frac{1}{2}$
- B) 2
- C) 4
- D) 8

18. Of the twenty people who won the prize, 8 have come forward to claim the prize. What percent of the people have not yet appeared?

- A) 20%
- B) 30%
- C) 40%
- D) 60%

19. There are enough candies in a bag to give 12 candies to each of 20 children, with no candies left over. If 5 children do not want any candies, how many candies can be given to each of others?

- A) 12
- B) 14
- C) 16
- D) 18
- E) 20

20. A boy saves 18 Rupees in 8 weeks. He continues to save at the same rate. How many weeks will it take him to save 81 rupees?

- A) 13
- B) 36
- C) 40
- D) 71

COMPUTERS

21. Copy command in a spreadsheet:

- A) Never copies formulae
- B) Copies formulae treating them like labels
- C) Copies only those formula with addresses of one type
- D) Copies formula giving a special treatment in order to handle different types of addresses

22. You are sending a project proposal to a senior manager, Mr. X, whom you have not met before. Which of the following is the most appropriate subject line for your email?

- A) Proposal
- B) Project Name: Proposal for Marketing Initiative
- C) Hey Mr. X– Please check this out when you get a sec
- D) Important! Read Immediately!

23. The arrangement of keys on a modern keyboard is called:

- A) Phonetic arrangement
- B) Qwerty arrangement
- C) Dvorak arrangement
- D) Olympia arrangement

24. In MS Word Ctrl + G is used for:

- A) Print
- B) Undo
- C) Go To
- D) Find and Replace

25. Values, entered in a cell, are always:

- A) Left aligned
- B) Right aligned
- C) Centered
- D) Not aligned at all

26. The short-cut key for print dialogue box is:

- A) Ctrl + N
- B) Alt + I
- C) Ctrl + X
- D) Ctrl + H
- E) Ctrl + P

Punjab Education Foundation Rules & Regulations & Estacode

27. What is the primary legislative document that governs the Punjab Education Foundation (PEF)?

- A) The Punjab Education Foundation Act 2004**
- B) PEF Policy 2010**
- C) PEF Charter of Operations**
- D) Punjab Education Sector Reform Program**

28. The PEF's financial operations, including budgeting, accounting, and auditing, are primarily guided by:

- A) Federal Board of Revenue Rules**
- B) PEF's own Financial Rules & Regulations**
- C) World Bank Guidelines**
- D) Punjab Private Schools Regulatory Authority Rules**

29. A school partnered with PEF can have its agreement terminated for:

- A) Consistently maintaining high academic results.**
- B) Submitting accurate and timely reports.**
- C) Participating in PEF's teacher training programs.**
- D) Charging unauthorized fees from PEF-sponsored students.**

30. According to the Act, a "civil servant" does NOT include:

- A) A person employed on a work-charged basis**
- B) A person on deputation from the Federation**
- C) A member of a civil service of the province**
- D) A person holding a civil post in connection with the affairs of the Province**

31. A civil servant shall retire from service on the completion of:

- A) The fifty-fifth year of his age**
- B) The fifty-eighth year of his age**
- C) The sixtieth year of his age**
- D) The sixty-second year of his age**

32. What percentage of posts is reserved for women in recruitment?

- A) 2%**
- B) 5%**
- C) 15%**
- D) 20%**

33. The financial support provided by PEF to its partner schools under programs like FAS is primarily intended to cover:

- A) School expansion and construction of new buildings.**
- B) The students' tuition fees and related educational costs.**
- C) Political campaigns.**
- D) Teachers' personal travel expenses.**

34. The Public Procurement Regulatory Authority (PPRA) Rules, 2014, apply to:

- A) All private companies in Pakistan.**
- B) All public sector organizations and entities defined as "Procuring Agencies."**
- C) Only federal government ministries**
- D) Only projects funded by international lenders.**

35. A 'Technical Proposal' is primarily used in which method of procurement?

- A) Open Competitive Bidding**
- B) Direct Contracting**
- C) Two-Stage Bidding**
- D) Request for Quotations (RFQ)**

Professional/Post/ Qualification Related Questions

- 36. The "Parho Punjab, Barho Punjab" (Read Punjab, Grow Punjab) initiative primarily focuses on:**
- A) Building new school buildings**
 - B) Increasing teacher salaries**
 - C) Improving student learning outcomes in literacy and numeracy**
 - D) Providing free tablets to all students**
- 37. The "KhidmatCentres" in schools provide:**
- A) Career counseling and educational services to students**
 - B) Banking services**
 - C) Medical facilities for teachers**
 - D) Religious education**
- 38. The SNC places special emphasis on the teachings and philosophy of:**
- A) Western philosophers**
 - B) Allama Muhammad Iqbal and Quaid-e-Azam Muhammad Ali Jinnah**
 - C) International leaders**
 - D) Modern scientists only**
- 39. The SNC aims to reduce the divide between different education systems by:**
- A) Closing private schools**
 - B) Eliminating madrasa education**
 - C) Teaching only in English**
 - D) Having common curriculum standards and competencies**
- 40. What is the primary goal of PEF's Foundation Assisted Schools (FAS) program?**
- A) To provide higher education scholarships.**
 - B) To establish new government schools in rural areas.**
 - C) To support low-cost private schools for imparting quality education to the poorest students.**
 - D) To offer technical and vocational training to adults.**
- 41. Early Childhood Education (ECE) in Pakistan is formally intended for which age group?**
- A) 3 to 5 years**
 - B) 4 to 6 years**
 - C) 5 to 7 years**
 - D) 6 to 8 years**
- 42. What is the main objective of PEF's "Continuous Professional Development (CPD)" program?**
- A) To construct new school buildings.**
 - B) To provide monthly stipends to students.**
 - C) To enhance the teaching skills and pedagogical knowledge of teachers in partner schools.**
 - D) To develop a new national curriculum.**

43. The supply of electrical energy for a consumer is usually by A.C because:

- A) Transmission and distribution is more easily effected**
- B) Voltage drop in cable is minimal**
- C) It is most suitable for variable speed motors**
- D) Cable power losses are negligible**

44. Instruments that measure electrical quantities like voltage and time, and represent them as visual waveforms on a screen, are best classified as:

- A) Displaying**
- B) Recording**
- C) Indicating**
- D) Hiding**

45. Ohmmeter is provided a small battery to apply a voltage to a resistance via a galvanometer to measure the _____ through the resistance.

- A) Direction**
- B) Current**
- C) Voltage**
- D) None of the above**

46. A half-adder is characterized by:

- A) Two inputs and two outputs**
- B) Three inputs and two outputs**
- C) Two inputs and three outputs**
- D) Two inputs and one output**

47. Maximum efficiency in machines occurs when:

- A) Core gets fully saturated**
- B) Machine is running at no load**
- C) Constant losses = losses proportional to square of the current**
- D) Excessive heating of core occurs**

48. All of the following are the important applications of synchronous motors Except:

- A) They are used at the substations to improve the power factor**
- B) They are used to control the voltage at the end of transmission line by varying their excitation**
- C) They cannot improve the power factor of large industries**
- D) They are used in textile mills, cement factories, mining industries and rubber mills for power applications**

49. A typical integrated circuit (IC) of an operational amplifier has which of the following pin configurations?

- A) 2 inputs, 2 outputs**
- B) 2 inputs, 1 output**
- C) 1 input, 2 outputs**
- D) 1 input, 1 output**

50. The desirable qualities of the power system are:

- A) High load factor and low diversity factor**
- B) Low load factor and diversity factor**
- C) Low load factor and high diversity factor**
- D) High load factor and diversity factor**

51. The Hay Bridge is a type of AC bridge circuit primarily used for the measurement of:

- A) Capacitance**
- B) Inductance**
- C) Resistance**
- D) Conductance**
- E) Voltage**

ESSAY

Organize, develop and express your ideas on the following topic by deploying elements of standard written English. (15 Marks)

"The Role of Public-Private Partnerships in Achieving Universal Quality Education in Punjab"

ANSWER KEYS

| Q #. | Right Choice | Q #. | Right Choice |
|------|--------------|------|--------------|
| 1 | D | 27 | A |
| 2 | C | 28 | B |
| 3 | D | 29 | D |
| 4 | C | 30 | A |
| 5 | C | 31 | C |
| 6 | E | 32 | C |
| 7 | B | 33 | B |
| 8 | D | 34 | B |
| 9 | B | 35 | C |
| 10 | E | 36 | C |
| 11 | C | 37 | A |
| 12 | A | 38 | B |
| 13 | D | 39 | D |
| 14 | C | 40 | C |
| 15 | A | 41 | A |
| 16 | B | 42 | C |
| 17 | B | 43 | A |
| 18 | D | 44 | A |
| 19 | C | 45 | B |
| 20 | B | 46 | A |
| 21 | D | 47 | C |
| 22 | B | 48 | C |
| 23 | B | 49 | B |
| 24 | C | 50 | D |
| 25 | B | 51 | B |
| 26 | E | | |