

TEST I ENGLISH

Questions 25

Time 25 minutes

Directions (Qs 01-05)

Each of the following questions contains a capitalized pair of words followed by four pair of words letter A to D. The capitalized words bear some meaningful relationship to each other. Choose the pair, whose relationship is most similar to that expressed by the capitalized pair.

1. FLAMBOYANT: ELABORATE

- A. kind: benevolent
- B. autocratic: democratic
- C. ludicrous: absurd
- D. desirable: necessary

2. TRAITOR: TREASONOUS

- A. reporter: biased
- B. hero: fictional
- C. alligator: angry
- D. crime: illegal

3. CHARITY: AID

- A. dictionary: words
- B. fortune: money
- C. counselor: advice
- D. translator: language

4. ENCLOSE: PARENTHESIS

- A. abbreviate: brackets
- B. emphasize: hyphen
- C. separate: comma
- D. joins: period

5. FIRM: IRONCLAD

- A. bruised: broken
- B. polished: shining
- C. smart: brilliant
- D. hard: stiff

Directions (Qs 06-10)

Each of the sentences below has one blank. Each blank statement indicating something has been omitted. Beneath the sentences are four options. Choose the word or set of words for each blank that best fits the meanings of sentence as a whole.

Word Choice (with respect to Vocabulary)

6. The famous writer tragically died at age fifty. This was an _____ event for his _____ fans.
- A. awful ... healthy
 - B. amazing ... dubious
 - C. unthinkable ... devoted
 - D. amicable ... strange
7. Unlike the misleading television documentary, the biography was _____.
- A. interesting
 - B. accurate
 - C. fantastic
 - D. phony
8. There are several ways of _____ the price at which a product can be marketed.
- A. arriving
 - B. thinking
 - C. determining
 - D. noticing
9. The copied version was _____ reproduction; it was remarkable how closely it resembled the original.
- A. an ancient
 - B. a false
 - C. an accurate
 - D. an authentic
10. Its very kind of you to _____ to speak at the meeting.
- A. accept
 - B. agree
 - C. comply
 - D. concur

Directions (Qs 11-15)

In the questions [11-15] given below, the sentences are divided into four portions and are labeled P, Q, R and S. These portions are needed to be arranged in a logical order to form a coherent sentence. From the given options A to D, Pick out the option that best describes the sequence of sentence.

11. Find the right sequence of sentences:

- P: if it was time to go yet
- Q: and ran downstairs to see
- R: Ahmed jumped out of bed
- S: on Saturday morning

- A. RPQR
- B. SPRQ
- C. RQSP
- D. SRQP

12. Find the correct sequence of sentences:

P: to protect vegetables from cold
Q: in view of the prevailing weather conditions
R: farmers to smoke their fields during the night
S: agricultural experts have advised

- A. PRQS
- B. QSRP
- C. RPSQ
- D. SPQR

13. Find correct sequence of sentence:

P: appear in examinations
Q: many students from all over Pakistan
R: by different organizations
S: which are held on all Pakistan basis

- A. QPSR
- B. QRSP
- C. QPRS
- D. PRQS

14. Find correct sequence of sentence:

When all the member were seated
P: the secretary came to the Dias
Q: during the previous year
R: detailing the activities of the organization
S: and read out the report
and plans for the coming year

- A. PRQS
- B. PSRQ
- C. QRPS
- D. QPRS

15. Find correct sequence of sentence:

P: This being the case,
Q: it is generally believed that proficient reading depends
R: on the ability to recognize words
S: quickly and effortlessly

- A. RPQS
- B. PQRS
- C. QPRS
- D. SQRP

Directions (Qs 16-21)

For each of the following question, choose the answer that is **OPPOSITE** in meanings to the word in capital letter

16. CRITICIZE

- A. Berate
- B. Enjoy
- C. Fault
- D. Acclaim

17. CLIMAX

- A. foundation
- B. finale
- C. highlight
- D. letdown

18. DETACH

- A. blend
- B. isolate
- C. merges
- D. link

19. ABNORMAL

- A. customary
- B. organic
- C. deviant
- D. impaired

20. PERSIST

- A. endure
- B. quit
- C. remain
- D. vacate

21. REPULSION

- A. repugnance
- B. aversion
- C. petulance
- D. attraction

Directions (Qs 22-25)

After reading the passage, read and respond to the questions that follow by selecting the best choice for each one.

Since the late nineteenth century, fingerprint identification methods have been used by police agencies around the world to identify suspected criminals as well as the victims of crime. The basis of the traditional fingerprinting technique is simple. The skin on the palmar surface of the hands and feet forms ridges, so-called papillary ridges, in patterns that are unique to each individual and which do not change over time. Even identical twins (who share their DNA) do not have identical fingerprints. The best way to render latent fingerprints visible, so that they can be photographed, can be complex and may depend, for example, on the type of surfaces on which they have been left. It is generally necessary to use a 'developer', usually a powder or chemical reagent, to produce a high degree of visual contrast between the ridge patterns and the surface on which a fingerprint has been deposited.

Developing agents depend on the presence of organic materials or inorganic salts for their effectiveness, although the water deposited may also take a key role. Fingerprints are typically formed from the aqueous-based secretions of the eccrine glands of the fingers and palms with additional material from sebaceous glands primarily from the forehead. This latter contamination results from the common human behaviors of touching the face and hair. The resulting latent fingerprints consist usually of a substantial proportion of water with small traces of amino acids and chlorides mixed with a fatty, sebaceous component that contains a number of fatty acids and triglycerides. Detection of a small proportion of reactive organic substances such as urea and amino acids is far from easy.

Fingerprints at a crime scene may be detected by simple powders, or by chemicals applied *in situ*. More complex techniques, usually involving chemicals, can be applied in specialist laboratories to appropriate articles removed from a crime scene. With advances in these more sophisticated techniques, some of the more advanced crime scene investigation services from around the world were, as of 2010, reporting that 50% or more of the fingerprints recovered from a crime scene had been identified as a result of laboratory-based techniques.

22. Which of the following is the best title for this passage?

- A. In Situ Powder Use in Crime Scene Investigations
- B. How to Identify a Criminal
- C. Amino Acids in Fingerprint Detection
- D. Fingerprint Composition and Detection

23. According to the article, amino acids and chlorides in fingerprints originate from the

- I sebaceous glands
- II eccrine glands
- III papillary ridges

- A. I only
- B. II only
- C. III only
- D. I and II only

24. According to the passage, powders to detect fingerprints are most likely to be used

- A. instead of reactive organic substances
- B. at the crime scene
- C. in laboratories
- D. to detect triglycerides

25. According to the passage, all of the following are true EXCEPT

- A. fingerprints identify the victims of crime
- B. fingerprint patterns may become distorted by sebaceous contamination
- C. investigators want to make fingerprints visible so they can be photographed
- D. touching the face and hair contaminates eccrine gland secretions

TEST II

QUANTITATIVE

Questions 25

Time 25 minutes

Directions (Qs 26 –50)

In this section there are 25 questions in total. The questions are based on arithmetic, geometry, algebra and word problems. Each question is followed by four possible answers indicated by letters A to D. Select the best answer out of the given choices.

26. $(3 \times 10^4) + (2 \times 10^2) + (4 \times 10) =$

A. 302400 B. 32400 C. 30240 D. 3240

27. Which of the following values of x is not in the domain of the function $y = x / (x^2 - 2x + 1)$

A. 1 B. -2 C. 0 D. -3

28. How many numbers less than 1000 are divisible by 3?

A. 300 B. 311 C. 333 D. 310

29. What is 4% of 9%?

A. 0.44% B. .34% C. .36% D. 0.4%

30. Which of the following lines does not intersect $y = 5x + 2$?

A. $-5x + 2y = 4$ B. $-2x + 5y = -3$ C. $10x - y = 1$ D. $5x - y = -29$

31. Average cost of 5 apples and 4 mangoes is Rs. 36. The average cost of 7 apples and 8 mangoes is Rs. 48. Find the total cost of 24 apples and 24 mangoes.

A. 2019 B. 2055 C. 2088 D. 3000

32. Two-fifths of the caps in a box are red, one-fourth are blue, and the rest are green. What is the ratio of the green caps to the blue caps?

A. 7:5 B. 7:4 C. 5:6 D. 8:9

33. If $6y - 4z = 47$ and $y + 11z = 2$, what is the average (arithmetic mean) of y and z ?
- A. 2.5 B. 3.5 C. 4.5 D. 5.5
34. What is the largest integer, n , for which $297/(3^n)$ is an integer?
- A. 1 B. 2 C. 3 D. 4
35. In a school of 350 students, 36% are girls. How many boys are there in the school?
- A. 200 B. 210 C. 220 D. 224
36. A vehicle manufacturer sold 7000 cars in 2002. If the car sales decreased by 13.5% in 2003, how many cars did the manufacturer sell in 2003?
- A. 6040 B. 6000 C. 945 D. 6055
37. What is the ratio of 5 feet to 9 inches?
- A. 20 : 3 B. 20 : 4 C. 20 : 5 D. 20 : 2
38. 12 litres of water are poured into an aquarium of dimensions 50cm length, 30cm breadth, and 40 cm height. How high (in cm) will the water rise? (1 litre = 1000cm³)
- A. 6 B. 8 C. 10 D. 9
39. Six years ago Anita was P times as old as Ben was. If Anita is now 17 years old, how old is Ben now in terms of P ?
- A. $11/P + 6$ B. $P/11 + 6$ C. $17 - P/6$ D. $17/P$
40. A dress on sale in a shop is marked at $\$D$. During the discount sale its price is reduced by 15%. Staff is allowed a further 10% reduction on the discounted price. If a staff member buys the dress what will she have to pay in terms of D ?
- A. 0.75D B. 0.85D C. 0.765D D. 0.775D
41. 2 is what percent of 5?
- A. 40% B. 35% C. 50% D. 45%
42. Find the value of x if the average of 1.0, 0.8, 0.2, and x is exactly 0.6?
- A. 0.2 B. 0.4 C. 0.66 D. 1.3

43. Six children sit at a circular table. In how many orders can they sit at the table?
- A. 200 B. 120 C. 145 D. 155
44. If $3/p = 6$ and $3/q = 15$ then $p - q = ?$
- A. $1/10$ B. $2/10$ C. $3/10$ D. $4/10$
45. A father is three times as old as his son. After fifteen years the father will be twice as old as his son's age at that time. Hence the father's present age is
- A. 43 B. 45 C. 40 D. 46
46. Tom, Dick and Harry went for lunch to a restaurant. Tom had \$100 with him, Dick had \$60 and Harry had \$409. They got a bill for \$104 and decided to give a tip of \$16. They further decided to share the total expenses in the ratio of the amounts of money each carried. The amount of money which Tom paid more than what Harry paid is
- A. 36 B. 60 C. 45 D. 55
47. $(1/4)^3 + (3/4)^3 + 3(1/4)(3/4)(1/4 + 3/4) = ?$
- A. 3 B. 4 C. 5 D. 1
48. If the value of XYZ Company stock drops from \$25 per share to \$21 per share, what is the percent of the decrease?
- A. 19.2 B. 16 C. 19.5 D. 9
49. If $0.2t = 2.2 - 0.6s$ and $0.5s = 0.2t + 1.1$, then $s =$
- A. 9 B. 6 C. 3 D. 5
50. Five years ago, Beth's age was three times that of Amy. Ten years ago, Beth's age was one half that of Chelsea. If C represents Chelsea's current age, which of the following represents Amy's current age?
- A. $c/6 + 5$ B. $2c$ C. $(c-10)/3$ D. $3c-5$

TEST III
GENERAL KNOWLEDGE

Questions 10

Time 10 minutes

Directions (Qs 51-60)

In this section there are 10 questions in total. Each question is followed by four possible answers indicated by letters A to D. Select the best answer out of the given choices.

51. The skeleton of an adult human consists of how many bones?

- A. 310 B. 210 C. 110 D. 206

52. Who designed Faisal Mosque?

- A. Gul-jeer B. Amir Kidwai C. Fazal e Haq D. Vedat Dalokay

53. The Installed capacity of Neelum-Jhelum hydropower plant is _____ MW?

- A. 967 B. 969 C. 945 D. 987

54. Salt Mine, Khewra is located in _____ district.

- A. D.I Khan B. Jhelum C. Gujrat D. D.G Khan

55. By population, Pakistan is world's _____ largest country?

- A. 5th B. 6th C. 7th D. 8th

56. Pakistan's national tree is _____.

- A. Deodar B. Sheesham C. Peepul D. Neem

57. What is the national currency of Morocco?

- A. EURO B. Dollar C. Ruble D. Dirham

58. Capital city of Libya is

- A. Tripoli B. Benghazi C. Tobruk D. Al Qubah

59. The office of the UN General Assembly is in

- A. USA B. Germany C. France D. Russia

60. Total number of seats in National Assembly of Pakistan are

- A. 343 B. 354 C. 302 D. 342