Practice Test-5

Directions for questions 1 to 5: Answer the following questions based on the study of the following letter-number sequence.

E 7 G B D M 4 N K H 2 A C Z S V 3 F I J L O Q 5 P R

1. If every alternate letter/number is dropped starting from E onwards, which letter/number will be second to left of the tenth letter/number from your left?

   (a) V   (b) B
   (c) A   (d) Q

2. If it is possible to make a meaningful word with the first, the twelfth, the fifteenth and the twenty-first letters from left, which of the following letters will be the first letter of that word? If no such word can be made, give 'X' as the answer, and if more than one such word can be made, give 'M' as the answer.

   (a) A   (b) M
   (c) E   (d) X

3. What will come in place of the question mark (?) in the following sequence?

   GDR   BMP   D45?

   (a) 4NQ   (b) MNQ
   (c) MKO   (d) M4Q

4. If the letters/numbers only from M to L are written in the reverse order and other letters/numbers are kept unaltered, which letter/number will be third to the right of 17th letter/number from your right?

   (a) C   (b) A
   (c) S   (d) Z

5. If every third letter/number starting from your right replaces successive days of the week starting from Monday, which letter/number will replace Thursday?

   (a) A   (b) S
   (c) Z   (d) F

6. Bablu ranked sixteenth from the top and twenty-ninth from the bottom among those who passed an examination. Six boys did not participate in the competition and five failed in the examination. How many boys were there in the class?

   (a) 44   (b) 50
   (c) 55   (d) 40

7. Ram started moving towards south from his home, he moved 12 m straight and took a right turn. He moved 5 m straight and again took a right turn, and moved another 24 m. How far is he from his home?

   (a) 12 m   (b) 13 m
   (c) 17 m   (d) 29 m

8. Mandar started moving towards west from his home and took a right turn after moving 15 m straight, then he again moved to 22 m straight and took a right turn. He took 3 more right turns after that. Can you tell the direction he is travelling in with respect to his home?

   (a) East   (b) West
   (c) North-west   (d) South-east

Directions for questions 9 and 10: In each of the following questions, find the missing number in place of '?', so as to continue the series.

9. 6, 9, 14, 21, 30, ?

   (a) 32   (b) 33
   (c) 37   (d) 41

10. 2, 9, 28, 65, ?

    (a) 100   (b) 125
    (c) 126   (d) 131

Directions for questions 11 to 15: Answer the following questions based on the study of the information given below.

City High School must put together a debating team consisting of four debaters. There are candidates of equal ability: X, Y and Z who are all seniors; and A, B, C and D who are all juniors. The school requires two seniors and two juniors in the team. It is also necessary that all of the debaters of a team should be able to work with one another.

•   Debaters Y and A cannot work together.

•   Debaters Z and C cannot work together.

•   Debaters A and B cannot work together.

11. If debater B is selected and debater Y is rejected, then which of the four debaters will form the team?

    (a) X, Z, A and B   (b) X, Z, D and B
    (c) X, Z, C and B   (d) X, D, C and B

12. If debater A is in the team, which other debaters must be in the team as well?

    (a) X, Y and B (b) X, Z and D

    (c) X, Z and B (d) X, Z and C

13. If both Y and Z are selected, which of the other debaters must be in the team with them?

    (a) Both C and D (b) Only D

    (c) Both B and A (d) Both B and D

14. Which statement(s) must be false?

    I.   Debaters Y and C are never selected together.

    II. Debaters Z and B are never selected together.

    III. Debaters Z and D are never selected together.

    (a) I only (b) II only

    (c) I and III only (d) All of the given

15. Which of the following statements is/are true of debater X?

    I.   Debater X must be selected as one of the seniors of the team.

    II. Debater X must be selected if debater C is selected

    III. Debater X cannot be selected if both A and C are rejected.

    (a) I only (b) II only

    (c) III only (d) II and III only

16. Hema, who is Sahil's daughter, says to Anjali, "Your mother Rekha is the younger sister of my father who is the third child of Captain Rathore." How is Captain Rathore related to Anjali?

    (a) Father (b) Grandfather

    (c) Father-in-law (d) Brother

17. Mohan said, "This girl is the wife of the grandson of my mother". What is Mohan to the girl?

    (a) Father (b) Grandfather

    (c) Father-in-law (d) None of these

18. In a certain code language THRICE is coded as UJUMHK, what will be the code for EQUALS in the same language?

    (a) FRVBMT (b) FPVZMU

    (c) FSXEQY (d) FRWDPX

19. In a certain code language, 'kew xas huma deko' means 'she is eating apples'. 'kew tepo qua' means 'she sells toys' and 'sut time deko' means 'I like apples'. Which words in the language means 'she' and 'apples'?

    (a) 'xas' and 'deko' (b) 'deko' and 'tepo'

    (c) 'kew' and 'deko' (d) 'xas' and 'kew'

Directions for questions 20 to 23: In the following questions, there are two statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read the conclusions and then decide which of them logically follows.

Mark answer:

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If both conclusions I and II follow

(d) If neither conclusion I nor II follows

20. **Statements:**

    Some dogs are horses.

    No horse is black.

    Conclusions:

    I. Some dogs are black.

    II. Some dogs are not black.

21. **Statements:**

    All poets are leaders.

    No leader is wise.

    Conclusions:

    I. No poet is wise.

    II. All leaders are poets.

22. **Statements:**

    Some trees are houses.

    Banana is a tree.

    Conclusions:

    I. Banana is not a tree.

    II. At least one house is tree.

23. **Statements:**

    All cows are red.

    Some buffaloes are red.

    Conclusions:

    I. All red are not cows.

    II. Some reds are not buffaloes.

Directions for questions 24 to 28: Arrange the following sentences in a logical order to make a coherent paragraph.

24. A. However, this reasonable expectation has recently been shattered, and not for the first time.

    B. When amendments related to the law are made with the aim of providing justice to women who are victims of domestic violence, it is reasonable to expect that the law be implemented in its true spirit by lawyers, the investigating agencies and the courts.

C. The recent judgment of the Delhi High Court in the case of Savitri vs Ramesh Chand has once again revealed the shortcomings of Section 498A of the Indian Penal Code.

D. In the early 1980s, amendments were passed to make certain forms of domestic violence criminal offences.

(a) ABCD   (b) BACD

(c) DABC   (d) CABD

25. A. It is well settled that this law (498A) also covers mental cruelty, which has been recognized to cause far more injury to the health and well-being of a woman than physical battering.

B. The offence as of today, is non-bailable and cognizable.

C. According to the petitioner (the woman) in the case of Savitri Vs Ramesh Chand all the members of her husband's family should have been subjected to trial under Section 498A.

D. It is another story that establishing this aspect of domestic violence is a difficult task because of the attitudes of our investigating agencies and the judiciary.

(a) ADBC   (b) ABCD

(c) DABC   (d) CABD

26. A. Making the offence compoundable implies that the complainant may withdraw her police complaint at any point of time.

B. In the eyes of the judge, this might give the marriage another chance but it can, just as easily, make the woman even more vulnerable to exploitation.

C. In a majority of the cases, a woman filing a petition would (along with her children) be financially dependent on her husband; and she would have approached the police/courts only because of unbearable violence.

D. In all probability, the husband and the woman's in-laws would offer reconciliation so that the woman withdraws the case.

(a) CABD   (b) DBCA

(c) ABCD   (d) BDAC

27. A. Assuming for a moment (without accepting it), that 498A has been or is being misused, the larger issue is which law is not being misused?

B. And then, who is responsible?

C. And if all our laws are being used or misused, why a hue and cry only about 498A?

D. The duty, and indeed the onus, of ensuring that the law is not misused is that of the investigating and prosecuting agencies, lawyers and the courts

E. It should be considered that the women who comes out for help does not know the intricacies of the law.

(a) ABCDE   (b) DACBE

(c) ACBDE   (d) BADCE

28. A. The need at this stage is to focus on better implementation and to put things in the right perspective.

B. The Judgment blames the woman for having sought redressal for her violations in law.

C. Sensitivity is required to understand why a woman whose marriage has just broken because she has been battered physically, mentally or both, would want to rope in everyone that she can think of.

D. The nature of the law – 498A being criminal — implies that it is not meant to confer rights but to define as offences behaviour that is socially reprehensible, and to impose punishment for such offences.

(a) ABDC   (b) ACBD

(c) BADC   (d) BACD

Directions for questions 29 and 30: In the following questions, a statement is followed by two explanatory statements numbered I and II. These explanatory statements have been given to answer the question asked in the main statement.

Choose your answer as :

(a) If the data in statement I alone is sufficient to answer the question.

(b) If the data in statement II alone is sufficient to answer the question.

(c) If the data in both the statements together is not sufficient to answer the question

(d) If the data in both the statements is needed to answer the question.

29. Who is the shortest of W, X, Y and Z?

   I. Z, X and Y are not the shortest

   II. Z is taller than X.

30. What time did the flight take off today?

   I. The scheduled time of the flight is 16:30.

   II. Generally the flight leaves on time.

Answer Key

1. (a)	2. (b)	3. (b)	4. (d)	5. (b)	6. (c)	7. (b)	8. (c)	9. (d)	10. (c)
11. (b)	12. (b)	13. (d)	14. (d)	15. (b)	16. (b)	17. (c)	18. (c)	19. (c)	20. (d)
21. (a)	22. (d)	23. (d)	24. (b)	25. (a)	26. (c)	27. (c)	28. (d)	29. (a)	30. (c)

Explanations

1. a The arrangement of the series after dropping every alternate term would be like this

   7 B M N H A Z V F J O 5 R

   Hence, the second term to the left of the tenth term is V.

2. b First $\rightarrow$ E,   Twelfth $\rightarrow$ A,

   Fifteenth $\rightarrow$ S,   Twenty-first $\rightarrow$ L

   Meaningful words = SEAL and SALE

3. b G $\xrightarrow{+2}$ D $\xrightarrow{last}$ R

   B $\xrightarrow{+2}$ M $\xrightarrow{last\ but\ 1}$ P

   D $\xrightarrow{+2}$ 4 $\xrightarrow{last\ but\ 2}$ 5

   M $\xrightarrow{+2}$ N $\xrightarrow{last\ but\ 3}$ Q

   MNQ will come in place of the question mark.

4. d The arrangement of the series after reversing the series would be like this

   E 7 G B D L J I F 3 V S Z C A 2 H K N 4 M O Q 5 P R

   Hence, the term, which will be 3rd to the right of 17th tern from the right hand side, is Z.

5. b E 7 G B D M 4 N K H 2 A C Z S V 3 F I J L O Q 5 P R

   Thurs. Wed. Tues. Mon.

   Hence, S will replace Thursday.

6. c Top 15th $\rightarrow$ Bablu $\leftarrow$ 28th bottom

   ∴ No. of passed students = 28 + 15 + 1 (Bablu)

   = 44

   ∴ Total no. of boys = 44 + 6 + 5 = 55.

7. b

   We are to find out OD.

   By Pythagoras' theorem $OD = \sqrt{OC^2 + CD^2}$

   $= \sqrt{(5)^2 + (12)^2}$ [∵ OC = AB = 5 m

   CD = DB – OA (as OA = CB)

   = 24 – 12 = 12]

   $= \sqrt{25 + 144} = \sqrt{169}$ = 13 m

8. c Following the directions mentioned in the question

   we arrive at the diagram above with the help of which the question can be solved very easily and hence, we can say that Mandar was finally moving towards the North-west direction with respect to his home.

9. d $x^2 + 5$. The terms of the series are formed by $x^2 + 5$ where x = 1, 2 etc.

10. c $x^3 + 1$. The terms of the series are formed by $x^3 + 1$ where x = 1, 2, etc.

For questions 11 to 15: We will try to answer all the questions using options.

11. b If debater Y is rejected then it implies that the two senior debater in the team would be X and Z. If debater B is selected then it implies that we have to select two juniors among A, C and D. Now, just checking each of the options

   Option (a) can be ruled out because it is violating condition 3.

   Option (c) can be ruled out because it is violating condition 2.

   Option (d) can be ruled out because there are 3 juniors in the team.

   Only option (b) satisfies all the given condition. Hence, the correct answer is option (b).

12. b Again just go through checking the options.

Option (a) and option (c), both can be ruled out because it is violating condition 3.

Option (d) can be ruled out because it is violating condition 2. Only option (b) satisfies the given conditions. Hence, the correct answer is option (b).

13. d Option (a) and option (c) can be ruled out because they are violating condition 2 and 3 respectively. The only option satisfying the given conditions is options (d).

14. d All of the given statements are false because there is a case for each of the option.
    I.   X, Y, B and C
    II. X, Z, B and D
    III. X, Z, B and D

16. b Captain Rathore is two generations before Anjali; so from the options, answer is option b.

17. c "This girl is the wife of the grandson of my mother".

My mother in the above statement indicates Mohan's mother.

And Mohan's mother's grandson is son of Mohan. Thus Mohan's son's wife is daughter-in-law of Mohan.

Hence Mohan is father-in-law of the girl who is wife of grandson.

18. c The coding follows as
    T(20) + 1 = U(21)   E(5) + 1 = F(6)
    H(8) + 2 = J(10)   Q(17) + 2 = S(19)
    R(18) + 3 = U(21)   U(21) + 3 = X(24)
    I(9) + 4 = M(13)   A(1) + 4 = E(5)
    C(3) + 5 = H(8)   L(12) + 5 = Q(17)
   E(5) + 6 = K(11)   S(!9) + 6 = Y(25)

19. c From first two coded statements kew = she and from first and last coded statements deko = apples; hence, choice (c) is the answer.

20. d
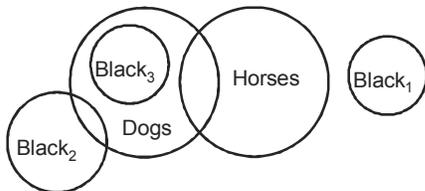
From the given venn diagram we can conclude that none of the given conclusions definitely follows.

21. a
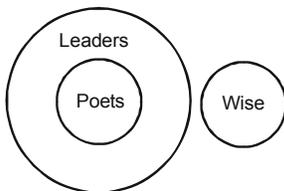
From the given venn diagram we can conclude that only conclusion I follows.

22. d
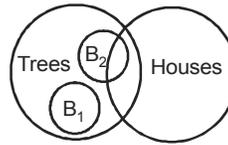
B - Banana

Both the cases B_1 and B_2 are possible as per the given venn diagram. Hence, we cannot definitely conclude that I or II is correct.

23. d
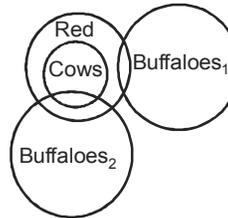
From the given venn diagram we can deduce that neither I nor II follows.

24. b The 'reasonable expectation' mentioned in A is stated in B. 'not for the first time' stated in A continues with 'once again' in C. Hence, 'BACD' is the correct sequence.

25. a 'AD' is a mandatory pair as the phrase 'it is well settled' (sentence A) is linked to the phrase 'it is another story' (sentence D). B follows D as 'the offence' stated in B refers to 'domestic violence' stated in D. Hence, 'ADBC' is the correct sequence.

26. c 'this' in B refers to the statement in A. C and D exemplify a typical outcome. Hence, 'ABCD' is the correct sequence.

27. c C follows A as they both refer to '498A'. B follows C as it also poses a question. D follows B as it answers the question asked in sentence B i.e. 'who is responsible?' Hence, 'ACBDE' is the correct sequence.

28. d 'AC' forms a mandatory pair as there is a link between 'right perspective' (mentioned in A) and 'sensitivity' (mentioned in C). This pair is there only in option (d). Hence, it is the correct answer.

29. a Choice (a) holds good as it is evident X, Y and Z are not the shortest then it is W that is left and the shortest.

From (II) it is not possible to conclude anything as nothing is said about W and Y. Hence, choice (a) holds good.

30. c Choice (c) holds good. Using both the statements together even cannot tell the exact time at which the flight took off today.