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Live Leak - IBPS RRB Office Assistant Prelims Model Question Paper (based on Predicted Pattern for 2016)

Reasoning

1. **Directions:** In the following question, a series is given, with one term missing. Choose the correct alternative form the given ones that will complete the series.
   ZA_5, Y_4B, XC_6, W_3D, ?
   1. VE_7
   2. E_7V
   3. V_2E
   4. VE_5
   5. None of these

2. **Directions:** In the following questions, find the missing number/letter from given responses.
   A/4, D/9, H/15, M/22, ?
   1. R/30
   2. S/30
   3. Q/31
   4. Q/30
   5. None of these

3. **Directions:** In the following question one term is missing as shown by (?). Find the missing term.
   4EZ, 5GY, 7IX, ?, 14MV, 19OU
   1. 10KW
   2. 10LW
   3. 9KW
   4. 10KY
   5. None of these

4. **Directions:** In the following question one term is missing as shown by (?). Find the missing term.
   J2Z, K4X, I7V, ?, H16R, M22P
   1. L11S
   2. L12T
   3. L11T
   4. L12S

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5. I11T

5. **Directions:** In question a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
P 3 C, R 5 F, T 8 I, V 12 L, ?
1. W 16 O
2. X 17 O
3. X 18 P
4. Y 17 P
5. None of these

6. How many such pairs of letters are there in the word BAROMETER each of which has as many letters between them in the word as in the English alphabet?
1. None
2. One
3. Two
4. Three or more than three
5. None of these

7. How many such pairs of letters are there in the word STAMHOPE each of which has as many letters between its two letters in the word as there are between them in the English alphabet?
1. Nil
2. One
3. Two
4. Three
5. More than three

8. In a certain code language the word BREAKDOWN is written as DQGCJFQVP. How will the word MENSTRUAL be written in that code language?
1. ODPRVQWZN
2. ODPUSTWZN
3. OPDUSTWZN
4. OPDUSWTZN
5. None of these

9. In a certain code language 'KEYBOARD' is written as 'FMGADQCT'. How will be 'TOUCHPAD' written in that code language?
1. FUQEBSJR
2. FVQWEJSB
3. FVQWEJRC

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4. FVQWEJSC
5. None of these

Q10-12. Directions: In each question below is given a group of letters followed by four combinations of digits/symbols numbered 1), 2), 3) and 4). You have to find out which of the combinations correctly represents the group of letters based on the coding system and the conditions given below and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters, mark 5) i.e. 'None of these' as your answer.

Letters	L	M	A	E	J	K	D	R	Q	H	I	U	V	F
Digits/Symbols Conditions	4	$	1	2	3	%	5	@	©	6	#	δ	7	9

i) If the first letter is a consonant and the last letter is a vowel, the codes of both these are to be interchanged.

ii) If both the first and the last letters are consonants both these are to be coded as per the code of the last letter.

iii) If the first letter is vowel and the last letter is a consonant both these are to be coded as ' '.

Note: All the remaining letters are to be coded as per their original codes.

10. **UKVMIH**
    1. % 7 $ # 6
    2. 6 % 7 $ # δ
    3. % 7 $ #
    4. 7 % $ #
    5. None of these
11. **VMEIUF**
    1. 7 $ 2 # δ 9
    2. 7 $ 2 # δ 7
    3. 9 $ 2 # δ 7
    4. 9 $ 2 # δ 9
    5. None of these
12. **MLEKDU**
    1. $ 4 2 % 5 δ
    2. $ 4 2 % 5 $
    3. δ 4 2 % 5 δ
    4. δ 4 2 5 % $

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5. None of these

Q13-14. Directions: In the questions below a group of letters is given followed by four combinations of digits/symbols, numbered 1), 2), 3) and 4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of the four combinations correctly represents the group of letters, mark 5) i.e. 'None of these' as the answer.

Letters in the first row, followed be their Digit/Symbol code in the next row:

O	R	T	M	D	E	I	Q	Z	F	H	K	A	P	J
©	7	6	3	9	2	1	4	#	$	5	%	@	8	Δ

Conditions:

(i) If the first letter is a vowel and the last letter is a consonant, both are to be coded as the code for the vowel.

(ii) If both the first and the last letters are consonants, both are to be coded for the last letter.

(iii) If the first letter is a consonant and the last letter is a vowel, both are to be coded as ' '.

13. **DKPJMO**
    1. %6δ3
    2. %8δ3@
    3. %8δ3
    4. @%6δ3©
    5. None of these
14. **IDATRJ**
    1. 19@871
    2. δ9@87δ
    3. 19@671
    4. δ9@671
    5. None of these

15. In a row of 22 woman, if Misha is shifted by 4 places towards the left, she became 12^{th} from the right end. What was her earlier position from left end of the row?
    1. 10^{th}
    2. 12^{th}

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3. 9th
4. 15th
5. None of these

16. In which of the following expressions will the expression 'A < B' be definitely false?
    1. B ≥ D ≥ C < A
    2. B ≥ V > C ≥ A
    3. D ≥ B ≥ C < A
    4. A ≥ C = D < B
    5. None of these

17. **Directions:** In the question, relationship between different elements is shown in the statements. The statements are followed by two conclusions.
    Statements:
    Q = R, R > M, M ≤ O, O = P
    Conclusions:
    a) O < Q
    b) P ≥ M
    1. Only a
    2. Only b
    3. Either a or b
    4. Both a and b
    5. Neither a nor b

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18. **Directions:** In this question relationship between different elements is shown in the statements these statements are followed by two conclusions. Give answer.
    Statement:
    L ≤ T< N > O ≥ P
    Conclusions:
    I. O < T
    II. P ≤ N
    1. Only Conclusion I follows
    2. Only Conclusion II follows
    3. Either Conclusion I or II follows
    4. Neither Conclusion I nor II follows
    5. Both Conclusion I and II follow

19. **Directions:** In the question, relationship between different elements is shown in the statements. The statements are followed by two conclusions.
    Statements:

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B ≤ J; K < L > M; J = K; G ≥ H = B

Conclusions:

I. M > J

II. J > G

1. Only conclusion I is true.
2. Only conclusion II is true.
3. Either conclusion I or II is true.
4. Neither conclusion I nor II is true.
5. Both the conclusion I and II are true.

20. **Directions:** In the question below relationship between different elements is shown in the statements. The statements are followed by five conclusions.

Statement:

R = M ≥ L; Z ≤ W ≤ N; N ≥ L

Conclusions:

I. W > Z

II. R ≥ L

III. W = Z

IV. N > Z

V. L ≥ W

1. Both conclusions I and conclusion III are true.
2. Conclusion I, conclusion III and conclusion IV are true.
3. Both conclusion III and conclusion IV are true.
4. Conclusion II and either conclusion I or conclusions III are true.
5. Only conclusion V is true.

21. **Directions:** In the question below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

All sweets are chocolates.

Some chocolates are mints.

No mints is food.

All food is diet.

Conclusions:

I. No sweets are diet.

II. No food is chocolates.

III. Some sweets are diet.

IV. Some sweets are food.

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1. None follows
2. Either I or III follows
3. Only III & IV follow
4. Only II & III follow
5. None of these

22. **Directions:** In the question below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
Statements:
Some forks are spoons.
Some spoons are bowls.
Some bowls are plates.
All plates are utensils.
Conclusions:
I. Some utensils are forks.
II. Some plates are forks.
III. Some plates are spoons.
IV. Some utensils are spoons.
1. Only I follows
2. Only II follows
3. Only I & III follow
4. Only III follows
5. None of these

23. **Directions:** In the question below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
Statements:
Some doors are walls.
All walls are windows.
Some windows are rooms.
Some rooms are floors.
Conclusions:
I. All walls are rooms.
II. Some rooms are doors.
III. Some rooms are walls.
IV. Some floors are doors.

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1. None follows
2. Only I & II follow
3. Only II & III follow
4. Only II, III & IV follow
5. All follow

24. **Directions:** In the question below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
Statements:
All graduates are advocates.
Some advocates are judges.
All judges are lawyers.
Some lawyers are doctors.
Conclusions:
I. Some doctors are advocates.
II. All graduates are judges.
III. Some doctors are graduates.
IV. Some lawyers are advocates.
1. None follows
2. Only I follows
3. Only II follows
4. Either III or IV follows
5. None of these

25. **Directions:** In the question below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
Statements:
All planets are stars.
All stars are asteroids.
All asteroids are moons.
Some moons are rocks.
Conclusions:
I. All asteroids are planets.
II. All asteroids are stars.
III. All moon are stars.
IV. Some rocks are stars.

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1. None follows
2. Only I follows
3. Only II follows
4. Only either I or II follows
5. None of these

Q26-30. Directions: Study the following information carefully and answer the given questions.
A, B, C, D, E, F, G and H are sitting around a circular table, facing the center. Each of them has a different profession, viz doctor, engineer, architect, pilot, banker, teacher, businessman and politician.

The politician sits third to the right of G. The doctor sits second to the right of A. D is not a politician. C is an immediate neighbor of G. The architect sits second to the right of C. Two people sit between D and the engineer. B sits third to the right of H. A and F are immediate neighbours of each other. Neither A nor F is a politician. The pilot is not an immediate neighbor of the politician. The banker sits second to the left of A.H is neither a politician nor an architect. Only one person sits between C and the teacher.

26. Who amongst the following is a businessman?
    1. F
    2. H
    3. C
    4. A
    5. D

27. What is the position of F with respect to the politician?
    1. Immediate right
    2. Third to the left
    3. Second to the right
    4. Fourth to the left
    5. Second to the left

28. Who sit(s) exactly between the teacher and the engineer?
    1. C and H
    2. Only the politician
    3. Only the doctor
    4. C and B
    5. The architect and the banker

29. Which of the following is true with respect to the given seating arrangement?
    1. D is an immediate neighbor of G.
    2. The pilot sits exactly between the architect and the businessman.
    3. G is a banker.

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4. The banker and the teacher are immediate neighbours of each other.
5. The doctor sits second to the right of the businessman.

30. What is the profession of G?
    1. Businessman
    2. Pilot
    3. Banker
    4. Teacher
    5. Architect

Q31-35. Directions: Study the following information to answer the given questions:

P, Q, R, S, T, V and W are sitting in a straight line facing north. Each one of them lives on a different floor in the same building which is numbered from one to seven.

Q sits fourth to the left of the person living on the 6th floor. Either Q or the person living on the 6th floor sits at the extreme ends of the line.

Only one person sits between Q and W. W lives on the 3rd floor. The person living on the 1st floor sits third to right of S. S is not an immediate neighbor of W. Only one person lives between T and the person who lives on the 2nd floor.

P and R are immediate neighbours of each other. P does not live on the 6th floor. One who lives on the 5th floor sits third to right of the one who lives on the 7th floor.

31. Who amongst the following lives on the 4th floor?
    1. P
    2. Q
    3. R
    4. S
    5. V

32. How many floors are there between the floors on which V and P live?
    1. One
    2. Two
    3. Three
    4. Four
    5. None

33. **Directions:** Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?
    1. W
    2. T

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3. S
4. P
5. Q

34. **Directions:** Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?
    1. T-2nd floor
    2. R-7th floor
    3. V-3rd floor
    4. S-5th floor
    5. Q-6th floor

35. Which of the following is true with respect to the given arrangement?
    1. The one who lives on the 5th floor is an immediate neighbor of S.
    2. V lives on the 1st floor.
    3. T sits second to the left of the person who lives on the 2nd floor.
    4. R and V are immediate neighbours of each other.
    5. The one who lives on the 4th floor sits at one of the extreme ends of the line.

36. **Directions:** In the following question, a question is followed by information given in three statements. You have to decide the information given in which of the statements is necessary and sufficient to answer the question.

    How is 'lost' written in a code language?

    I. 'India lost his ranking' is written as '3 1 5 6' and 'English defeat India' is written as '2 9 1'.

    II. 'test champion English' is written as '8 9 4' and 'India lost test' is written as '6 4 1'.

    III. 'stay champion is not easy' is written as '7 0 $ 8 #' and 'India lost his crown' is written as '↑ 3 6 1'.

    1. Only I
    2. Only II
    3. Only I and II
    4. Only II and III
    5. Only I and either II or III

37. **Directions:** In the following question, a question is followed by information given in three statements. You have to decide the information given in which of the statements is necessary and sufficient to answer the question.

    Which direction is Anu facing?

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I. If Anu turns 135° to his left, he will be facing a direction that is exactly opposite Raju.

II. Mukesh is facing North; if he turns 90° to his left after moving 45° ACW, he will be exactly opposite to the direction of Anu.

III. Raju will be in the same direction of Anu if he turns 45° to his right after turning 90° to his left.

1. Only I
2. Only II
3. Only III
4. Only I and III
5. Data inadequate

38. **Directions:** The question below consists of a question and three statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the questions.

What is Sweta's rank from top in a class of 45 students?

I. Sweta is five ranks below Sanjay, who is 15th from the bottom.

II. Ravina is 30th from the top and Neha is 4th from the bottom.

III. Sweta is exactly in the middle of Ravina and Neha.

1. Only II
2. Only I and II
3. Either only I or II and III
4. Only III
5. None of these

39. **Directions:** The question below consists of a question and two statements I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.

How many children does Mr. X have?

I. He has only one son and twice as many daughters.

II. One of his daughters is elder than his son.

1. Data in Statements I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
2. Data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
3. Data in Statement I alone or in Statement II alone are sufficient to answer the question.

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4. Data in both the Statements I and II are not sufficient to answer the question.
5. Data in both the Statements I and II together are necessary to answer the question.

40. **Directions:** The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the questions are sufficient to answer the question. Read both the statements and give answer.

Who among P, Q, R, S and T is the heaviest?

I. Q is heavier than R and T but lighter than only S.

II. R is third from the top when they are arranged in descending order of their weight and is heavier than T and P.

1. Data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
2. Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
3. Data either in statement I alone or in statement II alone are sufficient to answer the question.
4. Data given in both the statements I and II together are not sufficient to answer the question.
5. Data in both the statements I and II together are necessary to answer the question.

Numerical Ability

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

(78750 ÷ 1750) + (10 ÷ 2.5 × 120) =? × 2 × 2.5

1. 525
2. 505
3. 110
4. 105
5. None of these

42. What should come in place of Question mark (?) in the following question?

$\frac{1212}{0.5} = 6.06 \times ?$

1. 120
2. 9120
3. 422
4. 380

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5. None of these

43. If $11^{10-2x} = 1$, find the value of x.
    1. 10
    2. 5
    3. 2
    4. 1
    5. None of these

44. What will come in place of question mark in the following question?

    $3\frac{2}{3} + 2\frac{3}{4} + 1\frac{1}{2} = ?$

    1. $7\frac{1}{2}$
    2. $4\frac{11}{12}$
    3. $5\frac{1}{4}$
    4. $7\frac{11}{12}$
    5. None of these

45. Simplify:

    1.25 × 1.5 + 4% of 160 = ?

    1. 18.186
    2. 15.245
    3. 12.962
    4. 8.275
    5. None of these

46. What approximate value will come in place of question mark (?) in the following question?

    456.675 + 35.7683 × 67.909 – 58.876 =?

    1. 6458
    2. 1275
    3. 3567
    4. 4545
    5. 2825

47. What **approximate** value will come in place of question mark in the following question?

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3.2 × 8.1 + 3185 ÷ 4.95 = ?

1. 670
2. 455
3. 367
4. 1000
5. 899

48. What approximate value should come in the place of question mark (?) in the following question?

$121 \div \left(\frac{7}{5} \times \frac{3}{8} \times \frac{4}{5}\right) = ?$

1. 168
2. 288
3. 208
4. 298
5. 198

49. What approximate value should come in place of the question mark (?) in the following equation?

$\frac{5}{7}\ of\ 1596 + 3015 = ? \quad 2150$

1. 7200
2. 48000
3. 5300
4. 58000
5. 6300

50. What approximate value should come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value)

(√339 × 25) ÷ 30 = ?

1. 12
2. 15
3. 24
4. 21
5. 9

51. What will come in place of question mark (?) in each of the following number series?

5 6 20 ? 412

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1. 92
2. 85
3. 95
4. 87
5. None of these

52. What should come in place of question mark (?) in the following number series?

5 9 18 34 59 95 ?

1. 272
2. 168
3. 116
4. 148
5. 144

53. What should come in place of question mark (?) in the following number series?

0 5 18 43 84 145 ?

1. 220
2. 240
3. 260
4. 280
5. None of these

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54. In the following number series only one number is wrong. Find out the wrong number.

4 6 18 49 201 1011

1. 1011
2. 201
3. 18
4. 49
5. None of these

55. In the following number series only one number is wrong. Find out the wrong number.

1 5 13 31 61 125 253

1. 1
2. 5
3. 31
4. 61

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5. 125

56. A man reads 3/8 of a book on a day and 4/5 of the remainder on the second day. If the number of unread pages still is 40, then how many pages did the book contain?
    1. 240
    2. 480
    3. 4800
    4. 160
    5. None of these

57. A dealer professing to sell his goods at C.P., uses a 900 gm. weight for a kg. His gain percent is:
    1. 9%
    2. 10%
    3. 11%
    4. $11\frac{1}{9}\%$
    5. None of these

58. The simple interest on a sum of money is 4/9th the principal, and the number of years is equal to the rate of interest per annum. Find the rate of interest per annum.
    1. 8%
    2. $6\frac{2}{3}\%$
    3. 6%
    4. 9%
    5. None of these

59. Ajith reaches his office just in time when he travels at a speed of 48 kmph. When he moves at a speed of 36 kmph, he gets late by 15 min, find the distance of the journey.
    1. 48 km
    2. 36 km
    3. 30 km
    4. 44 km
    5. None of these

60. A and B can fill a cistern in 7 ½ min and 5 min and C can empty 14 liters per minute. If all pipes are open when it is full, it is emptied in 1 hrs. How many liters can it hold?
    1. 36 litres
    2. 40 litres
    3. 30 litres
    4. 42 litres

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5. None of these

61. The average age of woman and her daughter is 46 years. The ratio of their present ages is 15 : 8 respectively. What is the daughter's age?
    1. 30 years
    2. 32 years
    3. 34 years
    4. 36 years
    5. None of these

62. The area of a rectangle is 2891 square metres. Its length measures 59 metres. How much is 150% of its perimeter?
    1. 320 metres
    2. 310 metres
    3. 314 metres
    4. 324 metres
    5. None of these

63. In how many ways can a person choose a programmer of 5 computer courses if 9 courses are available and 2 specific courses are compulsory for every person?
    1. 53
    2. 14
    3. 35
    4. 28
    5. None of these

64. In a Mixture of milk and water, the proportion of water by weight was 75%. If in the 60 gms mixture 15 gms, water was added, what would be the percentage of water in the new mixture?
    1. 75%
    2. 88%
    3. 90%
    4. 100%
    5. None of these

65. The breadth of Malgudi auditorium [rectangular] is ¾ times its length. If the area of the hall is 300 m^2, the difference between the length and breadth is"
    1. 15 m
    2. 4 m
    3. 3 m
    4. 5 m

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5. None of these

66. The ages of A, B and C together is 185 years. B is twice as old as A and C is 17 years older than A. Then, the respective age of A, B and C are
    1. 40, 86 and 59 years
    2. 42, 84 and 59 years
    3. 40, 80, 65 years
    4. 20, 30 and 70 years
    5. None of these

67. A sum of Rs. 817 is divided among A, B and C such that 'A' receives 25% more than 'B' and 'B' receives 25% less than 'C'. What is the 'A' share in the amount?
    1. Rs. 228
    2. Rs. 247
    3. Rs. 285
    4. Rs. 304
    5. None of these

68. The area of a right-angled triangle is two-thirds of the area of rectangle. The base of the triangle is 80 percent of the breadth of the rectangle. If the perimeter of the rectangle is 200cm, what is the height of the triangle?
    1. 20 cm
    2. 30 cm
    3. 15 cm
    4. Data inadequate
    5. None of these

69. A person sold his watch for Rs. 75 and got a percent profit equal to the C.P. Find the C.P.
    1. Rs. 25
    2. Rs. 50
    3. Rs. 100
    4. Rs. 75
    5. None of these

70. How much will a sum of Rs. 7,250 amount to in a span of 2 years, at 6 p.c.p.a. rate of compound interest (Rounded off to the nearest integer)?
    1. Rs. 8,176
    2. Rs. 8,146
    3. Rs. 8,216
    4. Rs. 8,170

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5. Rs. 8,190

71. 3 men can do a piece of work in 18 days. 6 boys can also do the same work in 18 days. In how many days, 4 men and 4 boys together will finish the same work?
    1. 12 days
    2. 6 days
    3. 12 days
    4. 8 days
    5. None of these

72. Average weight of 19 men is 73 kgs and the average weight of 38 women is 65 kgs. What is the average weight (rounded off to the nearest integer) of all the men and the women together?
    1. 59 kgs.
    2. 65 kgs.
    3. 70 kgs.
    4. 68 kgs.
    5. 71 kgs.

73. In the following question, one or two equation(s) is/are given. You have to solve both the equations and find the relation between 'p' and 'q' and mark correct answer.

    I. $p^2 - 1 = 0$

    II. $q^2 + \left(\frac{12\times48}{144}\right)q + 3 = 0$

    1. p > q
    2. p ≥ q
    3. p < q
    4. p ≤ q
    5. p = q or the relation cannot be determined

74. In the following question, one or two equation(s) is/are given. You have to solve both the equations and find the relation between 'a' and 'b' and mark correct answer.

    I. $a^2 - 11a + 24 = 0$

    II. $2b^2 - 13b + 20 = 0$

    1. a > b
    2. a ≥ b
    3. a < b
    4. a ≤ b

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5. a = b or the relation cannot be determined

75. In the following question, one or two equation(s) is/are given. You have to solve both the equations and find the relation between 'x' and 'y' and mark correct answer.

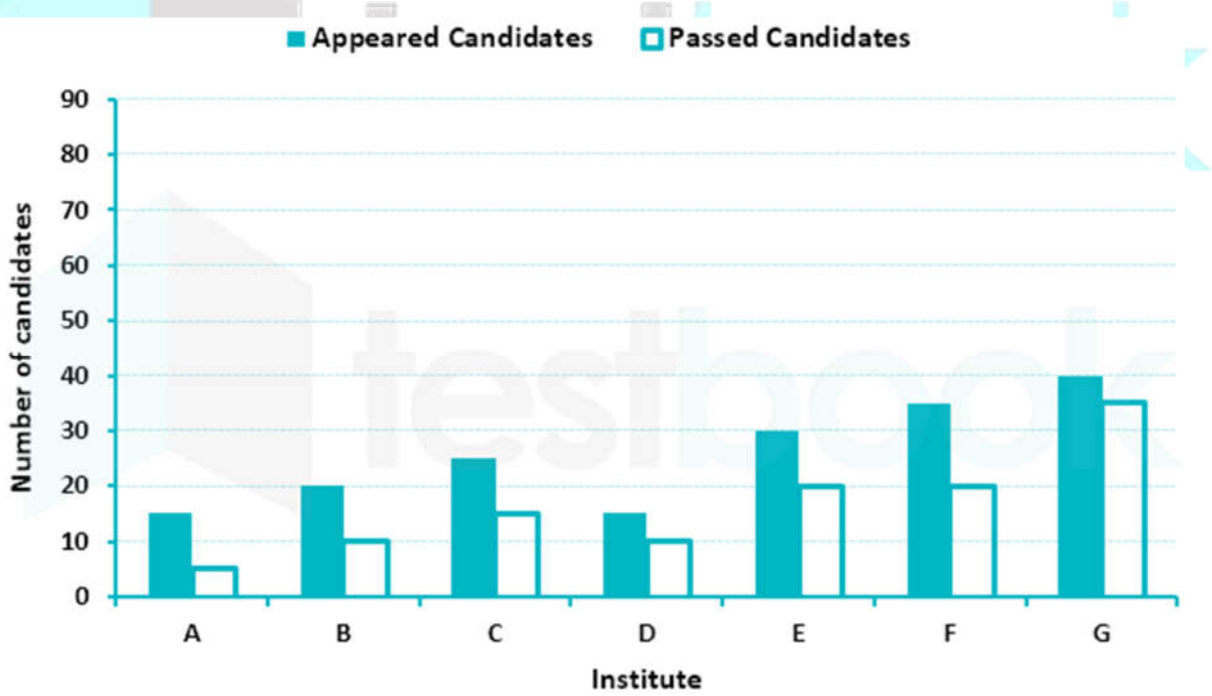
I. $16x^2 + 20x + 6 = 0$

II. $10y^2 + 38y + 24 = 0$

1. If x > y
2. If x ≥ y
3. If x< y
4. If x ≤ y
5. If x = y or the relation cannot be determined

Q76-80. Directions: Study the following graph and answer the questions that follow:

Number of Appeared Candidates and Passed Candidates (in hundreds) in a test from seven different Institutes



76. Number of candidates passed from institutes C and E together is **approximately** what percentage of the total number of candidates appeared from institutes A and F together?
1. 60

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2. 65
3. 70
4. 75
5. 80

77. What is the difference between the number of candidates appeared from institutes A, C, D and F together and candidates passed from institutes B, E and G together?
    1. 3000
    2. 1500
    3. 2000
    4. 2500
    5. None of these

78. What is the respective ratio between the number of candidates who have failed from institute B and the number of candidates who have appeared from institute E?
    1. 1 : 3
    2. 2 : 5
    3. 2 : 7
    4. 1 : 5
    5. None of these

79. From which institute is the difference between the appeared candidates and passed candidates maximum?
    1. B
    2. G
    3. D
    4. F
    5. None of these

80. What is the **approximate** average number of candidates passed from all the institutes together?
    1. 1460
    2. 1640
    3. 1350
    4. 1440
    5. 1530

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