

Reasoning Ability

1. In a certain code, DOWN is written as 5139 and NEAR is written as 9486. How is RODE written in that code ?
 (1) 6514 (2) 6154
 (3) 9154 (4) 3154
 (5) None of these
 2. How many such pairs of letters are there in the word BOARDING 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
 (5) More than three
 3. How many such digits are there in the number 284371 each of which is as far away from the beginning of the number as when they are arranged in descending order ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three
 4. How many meaningful English words can be made with the letters AREN using each letter only once in each word ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three
 5. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 (1) Table (2) Chair (3) Bench
 (4) Desk (5) Wood
 6. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 (1) 27 (2) 64 (3) 125
 (4) 216 (5) 384
 7. If 'Q' means '+'; 'T' means '-'; 'R' means '÷' and 'K' means '×' then
 $24 R 4 Q 8 K 6 T 10 = ?$
 (1) 48 (2) 24
 (3) 44 (4) $\frac{2}{3}$
 (5) None of these
 8. In a certain code ORGANISE is written as BHSPDRHM. How is DOUBTFUL written in that code ?
 (1) CVPEKTES (2) CVPIMVGU
 (3) ATNCKTES (4) ATNCMVGU
 (5) None of these
 9. What should come next in the following letter series ?
 A A B A B C A B C D A B C D E A B C D E F A B C D E F
 (1) A (2) G (3) H
 (4) B (5) None of these
 10. If it is possible to make only one meaningful English word with the first, the second, the fourth and the tenth letters of the word MAJESTICAL, which of the following will be the second 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 'Y' as the answer.
 (1) M (2) E (3) L
 (4) X (5) Y
- Directions (Q. 11-13)** Study the following information carefully and answer the questions below.
- (i) 'P × Q' means 'P is brother of Q'.
 - (ii) 'P - Q' means 'P is mother of Q'.
 - (iii) 'P + Q' means 'P is father of Q'.
 - (iv) 'P ÷ Q' means 'P is sister of Q'.
11. Which of the following means 'M is niece of N' ?
 (1) $M \times R - N$ (2) $N + J + M + D$
 (3) $N + J + M$ (4) $N \times J - M$
 (5) None of these
 12. Which of the following means 'B is grandfather of F' ?
 (1) $B + J - F$ (2) $B - J + F$
 (3) $B \times T - F$ (4) $B + T + F$
 (5) None of these

13. How is M related to K in the expression 'B + K + T × M' ?

- (1) Son (2) Daughter
(3) Son or daughter (4) Data inadequate
(5) None of these

14. In a certain code language, 'pit ne' means 'come here'; 'ne ta ja' means 'come and go' and 'ja sa re' means 'you and me'. What does 'ta' means in that code language ?

- (1) come (2) and
(3) here (4) go
(5) Cannot be determined

15. 'RT' is related to 'VX' and 'BD' is related to 'FH', in the same way as 'KM' is related to

- (1) NP (2) OR
(3) OQ (4) PR
(5) None of these

Directions (Q. 16–22) In each question below are three statements followed by three conclusions numbered I, II and III. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three given statements disregarding commonly known facts. Then decide which of the answers (1), (2), (3), (4) and (5) is the correct answer and indicate it on the answer sheet.

16. **Statements** Some tables are jugs. Some jugs are pots. All pots are plates.

Conclusions

- I. Some plates are jugs.
II. Some pots are tablets.
III. Some plates are tablets.
(1) None follows (2) Only I follows
(3) Only II follows (4) Only III follows
(5) Only II and III follow

17. **Statements** All chairs are rings. Some rings are sticks. All sticks are branches.

Conclusions

- I. Some branches are chairs.
II. Some branches are rings.
III. Some sticks are chairs.
(1) None follows (2) Only I follows
(3) Only II follows (4) Only III follows
(5) Only I and II follow

18. **Statements** All bulbs are chairs. All chairs are tables. All tables are mirrors.

Conclusions

- I. Some mirrors are bulbs.
II. Some tables are bulbs.
III. All chairs are mirrors.
(1) Only I and II follow (2) Only I and III follow
(3) Only II and III follow (4) All follow
(5) None of these

19. **Statements** All knives are hammer. No hammer is sword. Some swords are nails.

Conclusions

- I. Some nails are hammers.
II. Some swords are knives.
III. No nail is hammer.

- (1) None follows
(2) Only either I or III follows
(3) Only II follows
(4) Only III follows
(5) Only I follows

20. **Statements** Some fruits are trees. All trees are jungles. All jungles are roads.

Conclusions

- I. All fruits are jungles.
II. Some roads are fruits.
III. Some jungles are fruits.
(1) Only I and II follow
(2) Only I and III follow
(3) Only II and III follow
(4) All follow
(5) None of the above

21. **Statements** Some books are pens. Some pens are desks. Some desks are racks.

Conclusions

- I. Some racks are pens.
II. Some desks are books.
III. Some racks are books.
(1) Only I follows (2) Only II follows
(3) Only III follows (4) None follows
(5) All follow

22. **Statements** No room is house. No house is building. Some buildings are huts.

Conclusions

- I. Some huts are rooms.
II. Some huts are houses.
III. Some huts are buildings.
(1) Only I follows
(2) Only II follows
(3) Only III follows
(4) None follows
(5) All follow

Directions (Q. 23–28) Study the following arrangement carefully and answer the questions given below.

M 3 R # A P 4 9 K % D 1 U H @ J 2 N © W E Q 5 T 6 \$ V 7 ★
I F 8 B Y

23. How many such symbols are there in the above arrangement each of which is immediately preceded by a number but not immediately followed by a consonant ?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

24. Which of the following is the eighth to the left of the twenty first from the left end of the above arrangement ?

- (1) 1 (2) I (3) 5
(4) Q (5) None of these

25. How many such consonants are there in the above arrangement each of which is immediately preceded by a number but not immediately followed by a symbol ?

- (1) None (2) One
(3) Two (4) Three
(5) More than three

26. If all numbers in the above arrangement are removed, which of the following will be the eleventh from the right end ?

- (1) N (2) 2
(3) E (4) W
(5) None of these

27. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

- (1) W Q N (2) V ★ 6
(3) 187 (4) P 9 #
(5) D K U

28. What should come in place of the question mark (?) in the following series based on the above arrangement ?

- 3 # A 4 K % 1 H @ 2 © W ?
(1) E 5 6 (2) E 5 T
(3) Q T 6 (4) Q T \$
(5) None of these

Directions (Q. 29–34) In the following questions, the symbols @, ©, #, \$ and ★ are used with the following meaning illustrated.

- 'P © Q' means 'P is not smaller than Q'.
'P ★ Q' means 'P is neither greater than nor smaller than Q'.
'P @ Q' means 'P is neither greater than nor equal to Q'.
'P \$ Q' means 'P is not greater than Q'.
'P # Q' means 'P is neither smaller than nor equal to Q'.

In each of the following questions assuming the given statements to be true, find out which of the three conclusions I, II and III given below them is/are definitely true.

29. **Statements** M @ T, T \$ R, R © J

- Conclusions** I. J # M
II. R # M
III. J ★ T

- (1) Only I is true
(2) Only II is true
(3) Only III is true
(4) Only I and II are true
(5) None of the above

30. **Statements** D © B, B # H, H ★ F

- Conclusions** I. F @ B
II. F @ D
III. H @ D

- (1) Only I is true
(2) Only II is true
(3) Only III is true
(4) Only I and II are true
(5) All are true

31. **Statements** H ★ M, M @ T, T \$ K

- Conclusions** I. K # M
II. T # H
III. H @ K

- (1) Only I is true (2) Only I and II are true
(3) Only II and III are true (4) Only I and III are true
(5) All are true

32. **Statements** N \$ A, A # J, J © D

- Conclusions** I. N @ J
II. A © D
III. D @ A

- (1) Only I is true
(2) Only II is true
(3) Only III is true
(4) Only II and III are true
(5) None of the above

33. **Statements** R ★ T, T @ M, M \$ K

- Conclusions** I. K @ R
II. M # R
III. K # T

- (1) Only I and II are true
(2) Only II and III are true
(3) Only I and III are true
(4) All are true
(5) None of the above

34. **Statements** F # W, W \$ M, M © R

- Conclusions** I. R \$ W
II. F # R
III. W ★ R

- (1) None is true (2) Only I is true
(3) Only II is true (4) Only III is true
(5) Only II and III are true

Directions (Q. 35–40) 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 following digits/symbols coding system and the condition those follow and mark the number of that combination as the answer. If none of the combinations correctly represents the group of letters mark (5) i.e. 'None of these' as the answer.

Letter : PMAIDEJKFNQBUWT

Digit/Symbol Code : 6 9 5 # 7 \$ 1 % 2 @ 8 © 3 ★ 4

Conditions

- (i) If the first letter is a consonant and the last letter is a vowel the codes are to be interchanged.
(ii) 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.
(iii) If both the first and the last letters are consonants both are to be coded as the code for the last letter.

35. MKJIDE

- (1) 9%1#7\$ (2) \$%1#79
(3) 91%#7\$ (4) \$%17#9
(5) None of these

36. INQBWU

- (1) #@8©★3 (2) 3@8©★#
(3) #8@★©3 (4) 3#@8©★
(5) None of these

37. KFBPAW

- (1) ★2©65% (2) %2©65%
(3) ★2©65★ (4) %2©65★
(5) None of these

38. EFDJTP
 (1) 62714\$
 (2) \$27146
 (3) \$27416
 (4) \$2714\$
 (5) None of the above

39. NWANUD
 (1) @★5@37
 (2) 7★5@3@
 (3) @5★@37
 (4) @★5@3@
 (5) None of the above

40. APFTQI
 (1) #62485 (2) #6248#
 (3) 562485 (4) 56248#
 (5) None of these

Directions (Q. 41–45) In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

- Give answer (1) if only assumption I is implicit.
 Give answer (2) if only assumption II is implicit.
 Give answer (3) if either assumption I or assumption II is implicit.
 Give answer (4) if neither assumption I nor assumption II is implicit.
 Give answer (5) if both assumption I and assumption II are implicit.

41. **Statement** The state government has asked the management of all the private schools to take consent of the parents before increasing the school fees.

Assumptions

- I. The management of majority of the private schools may call the parents for discussion regarding fee hike.
 II. Majority of the parents may not agree for any hike of school fees.

42. **Statement** Govt. has made huge security arrangement during the Olympic torch relay within the country in view of nationwide protests by some group of people.

Assumptions

- I. The protestors may still disrupt the relay of Olympic torch within the country.
 II. The relay of Olympic torch may pass peacefully during its journey within the country.

43. **Statement** The state government has instructed all its employees interacting with public to be patient and compassionate in their dealings.

Assumptions

- I. The general public may otherwise be bullied by the Govt. officials.
 II. Majority of the Govt. officials may follow the Govt. Directives.

44. **Statement** Mohan invited about 200 people on the occasion of his daughter's marriage and made food arrangement of about 200 people in a nearby hotel.

Assumptions

- I. Many people invited by Mohan may not turn upon the day of the occasion.
 II. Most of the people invited by Mohan may attend the wedding ceremony.

45. **Statement** Local administration made elaborate security arrangement and alerted the local hospitals to be in readiness during the ensuing festival days.

Assumptions

- I. A very large number of devotees may assemble in the city during the festival days.
 II. Security personnel may not be able to control the crowd.

Directions (Q. 46–50) Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity.

Mark answer (1) if the inference is "definitely true" *ie*, it properly follows from the statement of facts given.

Mark answer (2) if the inference is "probably true" though not "definitely true" in the light of the facts given.

Mark answer (3) "if the data are inadequate" *ie*, from the facts given you cannot say whether the inference is likely to be true or false.

Mark answer (4) if the inference is "probably false" though not "definitely false" in the light of the facts given.

Mark answer (5) if the inference is "definitely false" *ie*, it cannot possibly be drawn from the facts given or it contradicts the given facts.

A fundamental global trend nowadays is the growing natural resource scarcity. Oil and natural gas prices have roared in recent years. This year, food prices have also skyrocketed, causing hardships among the poor and large shifts in income between countries and between rural and urban areas. The most basic reason for the rise in natural resource prices is strong growth, especially in China and India, which is hitting against the physical limits of land, timber, oil and gas reserves and water supplies. Thus, wherever nature's goods and services are traded in markets (as with energy and food), prices are rising when they are not traded in markets (as with clean air), the result is pollution and depletion rather than higher prices. There are many reasons for the dramatic increase in world food prices, but the starting point is increasing food consumptions again strongly powered by China's economic growth. China's population is earning more notably more meat, which in turn requires the importation of higher volumes of animal feed made from soyabeans and maize. Moreover, rising world energy prices has made food production more costly, since it requires large energy inputs for transport, farming and fertilisers. At the same time, rising energy prices create a strong incentive for farmers to switch from food production to fuel production.

46. Ever increasing consumption of food articles by world population is pushing up the world food prices beyond expectations.
47. Farmers get more returns by producing food articles than by producing raw material for fuel production.
48. China's food production is much less than its total domestic requirements.
49. Non tradable natural resources are being indiscriminately contaminated by the thoughtless use of less environment friendly activities.
50. Countries other than China and India produce enough food and energy within their countries.
52. Vaibhav Sinha was born on 12th April 1979. He has been working as Assistant Accounts Manager in an organization for the past five years after completing his post graduation in Commerce with 40 per cent marks. He has secured 55 per cent marks in both the selection process and graduation in Commerce.
53. Seema Bhasin has secured 60 per cent marks in graduation in Commerce and 55 per cent marks in post graduation in Commerce. She has secured 55 per cent marks in the selection process. She was born on 20th August 1978. She has also successfully completed her CA. She does not have any work experience.

Directions (Q. 51–60) Study the following information carefully and answer the questions given below.

Following are the conditions for selecting Accounts Manager in an organization. The candidate must

- (i) be a graduate in Commerce with minimum 55 per cent marks.
- (ii) be a post graduate in Commerce with minimum 50 per cent marks.
- (iii) have post qualification work experience of at least three years in the Accounts department in an organization.
- (iv) not be less than 25 yr and not more than 35 yr old as on 1.5.2008.
- (v) have secured at least 40 per cent marks in the selection process.

In the case if candidate satisfies all other criteria except—
(A) at (ii) above but has work experience of at least four years as Assistant Accounts Manager in an organization. His/her case is to be referred to GM—Accounts of the organization.

(B) at (iii) above but has successfully completed CA/ICWA, the case is to be referred to Director Finance.

In each question below details of one candidate is given. You have to take one of the following courses of action in each case based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other the information provided in each case. All the cases are given to you as on 1.5.2008. Mark answer (1) if the data provided are not adequate to take a decision.

Mark answer (2) if the case is to be referred to GM—Accounts.

Mark answer (3) if the case is to be referred to Director—Finance.

Mark answer (4) if the candidate is not to be selected.

Mark answer (5) if the candidate is to be selected.

51. Abhinav Chaturvedi is a Commerce graduate with 60 per cent marks. He has been working in the Accounts department of an organization for the past four years after completing his post graduation in Commerce with 55 per cent marks. He was born on 8th July 1980. He has secured 45 per cent marks in the selection process.
54. Nirmala Sawant was born on 4th July 1981. She has been working in the Accounts department in an organization after completing her post graduation Commerce with 65 per cent marks. She has secured 50 per cent marks in the selection process.
55. Ashok Pradhan was born on 3rd May 1979. He has secured 42 per cent marks in the selection process. He has been working in the Accounts department of an organization for the past four years after completing his post graduation in Commerce with 62 per cent marks. He has secured 54 per cent marks in his graduation in Commerce.
56. Prabir Mazumdar has secured 58 per cent marks in his graduation in Commerce and 53 per cent marks in post graduation in Commerce. He has been working as Assistant Accounts Manager in an organization for the past four years after completing his post graduation. He has secured 44 per cent marks in the selection process. He was born on 14th November 1977.
57. Neha Dev was born on 8th February 1976. She has been working in the Accounts department of an organization for the post three years after completing her post graduation in Commerce with 53 per cent marks. She has secured 57 per cent marks in graduation in Commerce. She appeared in selection process.
58. Sudha Goswami was born on 19th October 1982. She has been working as Assistant Accounts Manager in an organization for the past five years after completing her graduation in Commerce with 60 per cent marks. She has secured 50 per cent marks in the selection process.
59. Francis D'costa has secured 60 per cent marks in both graduation and post graduation in Commerce. He has successfully completed ICWA after his graduation. He has been working in the Accounts department of an organization for last one year.
60. Prathama Sengupta has secured 55 per cent marks in post graduation in Commerce and 45 per cent marks in the selection process. She was born on 11th April 1981. She has been working in the Accounts department of an organization for the past four years after completing her post graduation. She has secured 50 per cent marks in graduation in Commerce.

Quantitative Aptitude

Directions (Q. 61–65) What approximate value should come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value.)

61. $459.008 + 3.0056 \times 88.862 = ?$
 (1) 738 (2) 725
 (3) 695 (4) 752
 (5) 666
62. $(621.52)^2 = ?$
 (1) 386300 (2) 379300
 (3) 398300 (4) 365300
 (5) 356300
63. $561204 \times 58 = ? \times 55555$
 (1) 606 (2) 646
 (3) 556 (4) 716
 (5) 586
64. $(444\% \text{ of } 531) \div 972 = ?$
 (1) 4.5 (2) 0.5
 (3) 2.5 (4) 8.5
 (5) 6.5
65. $(9321 + 5406 \div 1001) \div (498 + 929 + 660) = ?$
 (1) 13.5 (2) 4.5
 (3) 16.5 (4) 7.5
 (5) 10.5

Directions (Q. 66–70) What should come in place of question mark (?) in the following number series?

66. 12 12 18 45 180 1170 ?
 (1) 12285 (2) 10530
 (3) 11700 (4) 12870
 (5) 7605
67. 444 467 513 582 674 789 ?
 (1) 950 (2) 904 (3) 927
 (4) 881 (5) 973
68. 1 16 81 256 625 1296 ?
 (1) 4096 (2) 2401 (3) 1764
 (4) 3136 (5) 6561
69. 23 25 53 163 657 3291 ?
 (1) 16461 (2) 13169
 (3) 9877 (4) 23045
 (5) 19753
70. 13 13 65 585 7605 129285 ?
 (1) 2456415 (2) 2235675
 (3) 2980565 (4) 2714985
 (5) 2197845

Directions (Q. 71–75) What should come in place of question mark (?) in following questions?

71. $38 + 16 \times 0.8 = ?$
 (1) 43.2 (2) 50.8
 (3) 44.8 (4) 1.9
 (5) None of these

72. $1485 \times ? = 594$

- (1) $\frac{2}{5}$ (2) $\frac{3}{4}$
 (3) $\frac{3}{5}$ (4) $\frac{5}{6}$
 (5) None of these
73. $2116 + 692 - ? = 1111$
 (1) 1667 (2) 1677
 (3) 1687 (4) 1697
 (5) None of these
74. $4 + 4.44 + 0.4 + 44.04 + 444 = ?$
 (1) 497.24 (2) 487.66
 (3) 496.88 (4) 469.88
 (5) None of these
75. $(?)^2 + (65)^2 = (160)^2 - (90)^2 - 7191$
 (1) 75 (2) 77
 (3) 79 (4) 81
 (5) None of these

Directions (Q. 76–80) Each of these questions consists of a question followed by information in three statements. You have to study the question and statements and decide that information in which of the statement(s) is/are necessary to answer the question.

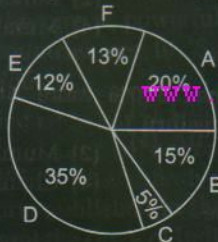
76. What is the capacity of the cylindrical tank?
 I. Radius of the base is half of its height.
 II. Area of the base is 616 sq m.
 III. Height of the cylinder is 28 m.
 (1) Only I and II
 (2) Only II and III
 (3) Only I and III
 (4) All I, II and III
 (5) Any two of the three
77. What is the speed of the train?
 (i) The train crosses a signal pole in 18 s.
 (ii) The train crosses a platform of equal length in 36 s.
 (iii) Length of the train is 300 m.
 (1) I and III only
 (2) II and III only
 (3) I and II only
 (4) III and either I or II only
 (5) Any two of the three
78. What is staff strength of Company 'X' ?
 I. Male and female employees are in the ratio of 2 : 3 respectively.
 II. Of the officer employees 80% are males.
 III. Total number of officers is 132.
 (1) I and III only
 (2) II and either III or I only
 (3) All I, II and III
 (4) Any two of the three
 (5) Question cannot be answered even with the information in all three statements

79. What is the two-digit number ?
- Number obtained by interchanging the digits is more than the original number by 9.
 - Sum of the digit is 7.
 - Difference between the digits is 1.
- I and III only
 - I and II only
 - II and III only
 - All I, II and III
 - Question cannot be answered even with the information in all three statements
80. How many articles were sold ?
- Total profit earned was ₹ 1596
 - Cost-price per article was ₹ 632
 - Selling price per article was ₹ 765
- II and III only
 - I and II only
 - All I, II and III
 - Any two of the three
 - Question cannot be answered even with the information in all three statements

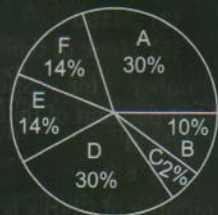
Directions (Q. 81–90) Study the following information to answer the given questions.

Percentage of students in various courses (A, B, C, D, E, F) and percentage of girls out of these.

Percentage in Various Courses



Percentage of Girls in Courses



81. For which course is the number of boys the minimum ?
- E
 - F
 - C
 - A
 - None of these
82. How many girls are in course C ?
- 44
 - 16
 - 40
 - 160
 - None of these
83. For Course D what is the respective ratio of boys and girls ?
- 3 : 4
 - 4 : 5
 - 3 : 5
 - 5 : 6
 - None of these
84. For which pair of courses is the number of boys the same ?
- E & F
 - A & D
 - C & F
 - B & D
 - None of these

85. For course E, the number of girls is how much per cent more than the boys for course E ?
- 250
 - 350
 - 150
 - 80
 - None of these
86. What will be the area (in square metre) of 1.5 m wide garden developed around all the four sides of a rectangular field having area equal to 300 sq. m and breadth equal to three-fourth of the length ?
- 96
 - 105
 - 114
 - Cannot be determined
 - None of these
87. In a two-digit positive number, the digit in the units place is equal to the square of the digit in ten's place, and the difference between the number and the number obtained by interchanging the digits is 54. What is 40% of the original number ?
- 15.6
 - 39
 - 37.2
 - 24
 - None of these
88. Vishwas borrowed a total amount of ₹ 30000, part of it on simple interest rate of 12 % per annum and remaining on simple interest rate of 10 % per annum. If at the end of 2 yr he paid in all ₹ 36480 to settle the loan amount, what was the amount borrowed at 12 % per annum ?
- ₹ 16000
 - ₹ 18000
 - ₹ 17500
 - ₹ 12000
 - None of these

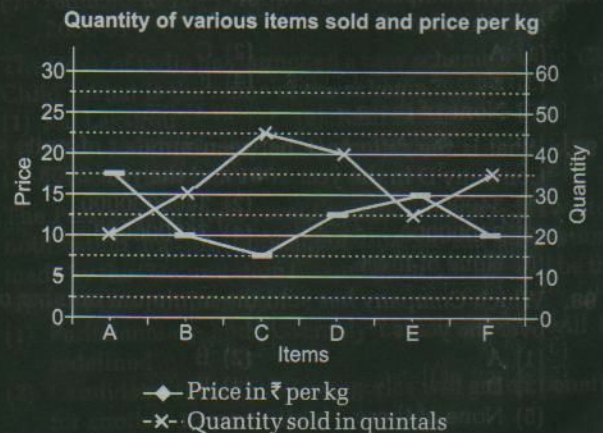
89. If the numerator of a fraction is increased by $\frac{1}{4}$ and the denominator is decreased by $\frac{1}{3}$, the new fraction obtained

is $\frac{33}{64}$. What was the original fraction ?

- $\frac{9}{11}$
- $\frac{5}{7}$
- $\frac{3}{7}$
- $\frac{7}{9}$
- None of these

90. Twice the square of a number is more than eleven times the number by 21. The number can have which of the following values ?
- 4 or $-\frac{7}{2}$
 - 7 or $-\frac{3}{2}$
 - 3 or $-\frac{7}{2}$
 - $\frac{9}{2}$ or -4
 - None of these

Directions (Q. 91–95) Study the following graph carefully to answer these questions.



91. If the quantity sold of item D increased by 50% and the price reduced by 10%. What was the total value of the quantity sold for item D ?
 (1) ₹ 675 (2) ₹ 6750
 (3) ₹ 67550 (4) ₹ 67500
 (5) None of these
92. **Approximately**, what is the average price per kg of items A, B & C ?
 (1) ₹ 9.50 (2) ₹ 8
 (3) ₹ 7.50 (4) ₹ 9
 (5) ₹ 10.50
93. What is the ratio between the total values of quantity sold for items E & F respectively ?
 (1) 15 : 14 (2) 3 : 2
 (3) 5 : 7 (4) 7 : 5
 (5) None of these
94. Total value of the quantity sold for item C is what per cent of the total value of the quantity sold for item E ?
 (1) 111 (2) 85
 (3) 90 (4) 87.5
 (5) None of these
95. If the price as well as the quantity sold is increased by 20 % for item A, what is the total value of quantity sold for item A ?
 (1) ₹ 48500 (2) ₹ 49000
 (3) ₹ 42000 (4) ₹ 50400
 (5) None of these

Directions (Q. 96–100) Study the table carefully to answer the questions that follow.

Sale (in crores) of Number of Units by Six Different Companies over the Years

Year	2001	2002	2003	2004	2005	2006
Company						
A	110	118	143	126	152	195
B	91	93	85	99	69	35
C	103	153	100	128	96	56
D	112	166	78	83	135	198
E	72	169	154	98	140	192
F	64	56	120	70	176	54

96. Which Company has sold the maximum number of units over the years ?
 (1) A (2) C
 (3) E (4) F
 (5) None of these
97. What is the difference between number of units sold by Company D in the year 2001 and the year 2003 ?
 (1) 3400000 (2) 3400000000
 (3) 34000000 (4) 340000000
 (5) None of these
98. Which Company has sold the minimum number of units over the years ?
 (1) A (2) B
 (3) D (4) E
 (5) None of these

99. Number of units sold by Company B in the year 2003 is what per cent of the total number of units sold by all the companies together in that year ?
 (1) 12.76 (2) 15.5 (3) 12.5
 (4) 20 (5) None of these
100. What is average number of units sold (in crores) in the year 2005 ?
 (1) 130 (2) 133 (3) 127
 (4) 121 (5) None of these

Directions (Q. 101–110) Study the following table to answer the given questions.

Centre and Post-wise Number of Candidates

Post	Officer	Clerk	Field Officer	Super-visor	Specialist Officer
Centre					
Bengaluru	2000	5000	50	2050	750
Delhi	15000	17000	160	11000	750
Mumbai	17000	19500	70	7000	900
Hyderabad	3500	20000	300	9000	1150
Kolkata	14900	17650	70	1300	1200
Lucknow	11360	15300	30	1500	650
Chennai	9000	11000	95	1650	500

101. Which centre has the highest number of candidates ?
 (1) Delhi (2) Kolkata
 (3) Hyderabad (4) Mumbai
 (5) None of these
102. Which centre has 300% more number of Clerks as compared to Bengaluru ?
 (1) Lucknow (2) Mumbai
 (3) Hyderabad (4) Chennai
 (5) None of these
103. What is the difference between total number of Officers and Clerks ?
 (1) 29680 (2) 34180 (3) 32690
 (4) 28680 (5) None of these
104. In Kolkata, number for Specialist Officer is **approximately** what per cent of that of Officers?
 (1) 8.7 (2) 9 (3) 6.5
 (4) 8 (5) 6.9
105. In Chennai, the number of Clerks is **approximately**, how much per cent more than that of Officers?
 (1) 18 (2) 22 (3) 20
 (4) 2 (5) 13
106. A train travelling at the speed of 60 km/h crosses a platform in 20 s. What is the length of the train ?
 (1) 333 m (2) 300 m
 (3) 336 m (4) Cannot be determined
 (5) None of these
107. A sum of money is to be divided among four persons in the ratio of 2 : 3 : 4 : 5. Out of the four one person gets ₹ 200 more than the other and ₹ 100 less than another. What is the sum ?
 (1) ₹ 2800 (2) ₹ 1400
 (3) ₹ 4200 (4) Cannot be determined
 (5) None of these

108. If $4x + 5y = 83$ and $\frac{3x}{2y} = \frac{21}{22}$ then what is the value of

$y - x$?

(1) 3

(2) 4

(3) 7

(4) 11

(5) None of these

109. A boat running downstreams covers a distance of 30 km in 2 h. While coming back the boat takes 6 h to cover the same distance. If the speed of the current is half that of the boat, what is the speed of the boat in kmph ?

(1) 15

(2) 5

(3) 10

(4) Cannot be determined

(5) None of these

110. In a college, the number of students studying Arts, Commerce and Science are in the ratio of 3 : 5 : 8 respectively. If the number of students studying Arts, Commerce and Science is increased by 20%, 40% and 25% respectively, what will be new ratio of students in Arts, Commerce and Science respectively ?

(1) 18 : 35 : 50

(2) 3 : 10 : 10

(3) 4 : 8 : 5

(4) 32 : 35 : 25

(5) None of the above