IBPS CLERK PRACTICE MOCK: QUANT

Directions (36-45): What should come in place of the question mark (?) in the following equations?

36. 15 : 66 :: 185 : ?
1) 824 2) 644 3) 604
4) 814 5) None of these

37. $64^{12} \div 4^{15} = 64^{?}$
1) 9 2) 3 3) 12
4) 7 5) None of these

38. 14% of 80+?% of 90=31.9
1) 16 2) 23 3) 18
4) 26 5) None of these

39. $\sqrt{97344} = ?$
1) 302 2) 322 3) 292
4) 342 5) None of these

40. $3\frac{6}{7} - 6\frac{1}{4} + 5\frac{1}{3} = ?$
1) $1\frac{65}{84}$ 2) $8\frac{1}{84}$ 3) $2\frac{79}{84}$
4) $5\frac{47}{84}$ 5) None of these

41. $1\frac{3}{4} + 1\frac{5}{8} - 2\frac{4}{5} + \frac{1}{2} = ?$
1) $2\frac{7}{40}$ 2) $1\frac{7}{40}$ 3) $2\frac{3}{40}$
4) $1\frac{3}{40}$ 5) None of these

42. $14 \times 18.6 \div 12 + 19.3 = ?$
1) 41 2) 33.5 3) 291.9
4) 8.32 5) None of these

43. $8^{4.2} \times 64^{2.1} \times 7^{8.4} \times 56^{3.5} = 56^{?}$
1) 18.2 2) 9.8 3) 11.9
4) 12.6 5) None of these

44. $(4)^2 + (3)^2 = \sqrt{?}$
1) 25 2) 5 3) 125
4) 425 5) None of these

45. 53% of 120+25% of 862=?% of 500
1) 42.50 2) 55.82 3) 63.68
4) 38.89 5) None of these

Directions (Q.46-50): In the following number series only one number is wrong. You have to find out the wrong number.

46. 25 23 27 19 34 3 67
1) 23 2) 3 3) 34
4) 19 5) 27

47. 1 2 12 63 316 1704 10446
1) 1704 2) 316 3) 63
4) 12 5) 2

48. 7 9 12 28.5 73 205 645
1) 205 2) 28.5 3) 73
4) 12 5) 9

49. 15 28 45 64 85 116 147
1) 85 2) 28 3) 64
4) 116 5) 45

50. 1 4 27 258 3125 46656 823543
1) 27 2) 258 3) 3125
4) 4 5) 46656

51. Ravi invested some amount in three different schemes A, B and C at the rate of interest 12 p.c.p.a., 14 p.c.p.a. and 18 p.c.p.a. respectively. The amount invested in Scheme A is $\frac{2}{3}$ of the amount invested in Scheme B and the amount invested in Scheme C is $\frac{3}{4}$ of the amount invested in Scheme A. If the total amount of interest accrued in one year through all three schemes is Rs. 17,670, what was the amount invested in Scheme C?
1) Rs.38,000 2) Rs.28,500 3) Rs.57,000
4) Cannot be determined 5) None of these

52. The total cost of making a 7-metre-wide garden around a circular plot with radius 14 metres is Rs. 6,930. What would be the total cost of making a square garden with side equal to 19 metres at the same rate?
1) Rs.3,249 2) Rs.4,995 3) Rs.4,368
4) Cannot be determined 5) None of these

53. If the numerator of a fraction is increased by 10% and the denominator is increased by 20%, the fraction reduced to $\frac{1}{3}$. If the denominator is more than the numerator by 7, what is the original fraction?
1) $\frac{6}{7}$ 2) $\frac{5}{12}$ 3) $\frac{4}{11}$
4) Data inadequate 5) None of these

54. On Teacher's Day, sweets were to be equally distributed among 190 children in a school. Actually, on the Teacher's day, 70 children were absent and therefore each child got 14 sweets extra. How many sweets did each child get on that day?
1) 16 2) 24 3) 14
4) 20 5) None of these

55. The difference between a two-digit number and the number obtained by interchanging the digits is 45. If the difference between the two digits of the number is 5, what is the original number?
1) 94 2) 83 3) 72
4) Cannot be determined 5) None of these

56. The number of students studying Arts, Commerce and Science in an Institute in the year 2002 were in the ratio 8 : 5 : 6 respectively. If the number in the

three disciplines increased by 30%, 20% and 60% respectively in the year 2003, what was the new respective ratio?
1) 9 : 7 : 8 2) 26 : 15 : 24 3) 27 : 13 : 12
4) Cannot be determined 5) None of these

57. In how many different ways can the letters of the word 'HOUSING' be rearranged?
1) 120 2) 720 3) 2150
4) 2520 5) None of these

58. A boy walks 14 metres to cross a square field diagonally. What is the area of the square?
1) 78 sq mtrs 2) 120 sq mtrs 3) 118 sq mtrs
4) Cannot be determined 5) None of these

59. 8 women can complete a work in 10 days and 10 children take 16 days to complete the same work. How many days will 10 women and 12 children take to complete the work?
1) 5 2) 7 3) 3
4) Cannot be determined 5) None of these

60. The difference between the compound interest and the simple interest accrued on an amount of Rs. 2,500 in 3 years was Rs. 153.86. What was the rate of interest p.c.p.a.?
1) 15 2) 12 3) 14
4) Cannot be determined 5) None of these

Directions (61-65): What approximate value will come in place of the question mark (?) in each of the following questions?

61. $69.985 \times 17.0001 \div 14.005 = ?$
1) 93 2) 78 3) 90
4) 75 5) 85

62. 74.75% of 360+151% of 240=?
1) 650 2) 630 3) 600
4) 680 5) 580

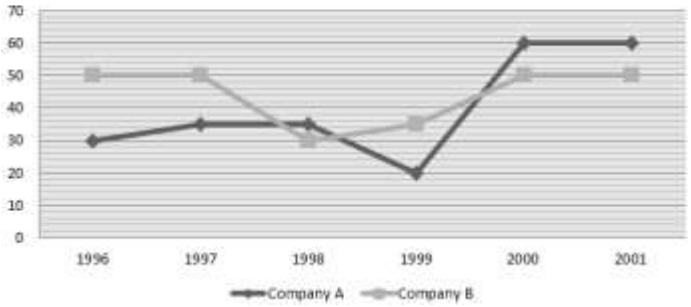
63. $\frac{2}{3}$ of $85+(7.95)^2 = ?$
1) 125 2) 123 3) 115
4) 120 5) 110

64. $\sqrt{626} + 3.005^3 = ?$
1) 45 2) 58 3) 52
4) 56 5) 42

65. 3985.007-2764.998+?=1350.045
1) 130 2) 150
3) 220 4) 110
5) 190

Directions (66-70): Study the graph carefully to answer the questions that follow.

Percentage rise in Production of two different organisations over the years



66. If the production of Company A in 1996 was 1.66 lakh units, what was the number of units produced by it in 1998?
1) 265145 2) 302535 3) 224100
4) 314323 5) None of these

67. Based on the above graph which of the following statements is definitely true?
1) Company A produced the maximum number of units in the year 2000.
2) For Company B there was no increase in production in the year 2001 from the previous year.
3) Company A has produced more units than Company B in the year 2000.
4) Average per cent rise in the production of Company B is more than the average per cent rise in the production of Company A.
5) All of these

68. What is the per cent increase in per cent rise of production of Company B in the year 2000 from the previous year? (rounded off to two digits after decimal)
1) 42.86 2) 15.37 3) 36.62
4) 32.48 5) None of these

69. If Company B produced 6,58,125 units in the year 2000, how many units did it produce in the year 1998?
1) 4,10,500 2) 2,98,000 3) 3,25,000
4) 4,05,000 5) None of these

70. What is the increase in per cent rise in production of Company A in the year 2000 from the previous year?
1) 30 2) 60 3) 20
4) 200 5) None of these

CAREER POWER
AN IIT/IIM ALUMNI COMPANY