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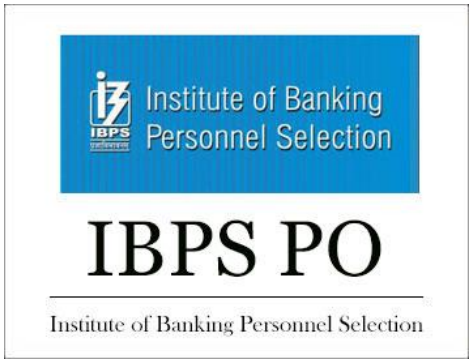

IBPS (PO) Previous Year Exam Paper - 2012

Subject: Quantitative Aptitude

Directions (Q. 51 -55) : What will come in place of the question mark (?) in the following questions?

51. 4003 × 77 – 21015 = ? × 116

(1) 2477

(2) 2478

(3) 2467

(4) 2476

(5) None of these

52. [(5√7 + √7) × (4√7 + 8√7)] – (19)2 = ?

(1) 143

(2) 72√7

(3) 134

(4) 70√7

(5) None of these

53. (4444÷ 40) + (645 ÷ 25) + (3991 ÷ 26) = ?

(1) 280.4

(2) 290.4

(3) 295.4

(4) 285.4

(5) None of these

54.

(1) 37

(2) 33

(3) 34

(4) 28

(5) None of these

55.

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(1) 303.75

(2) 305.75

(3) 303

(4) 305

(5) None of these

Directions (Q. 56-60): What approximate value should come in place of the question mark (?) in the following questions? (Note: You are not expected to calculate the exact value.)

56.

8787 ÷ 343 × √50=?

(1) 250

(2) 140

(3) 180

(4) 100

(5) 280

57.

(1) 48

(2) 38

(3) 28

(4) 18

(5) 58

58.

of 4011.33 + of 3411.22 = ?

(1) 4810

(2) 4980

(3) 4890

(4) 4930

(5) 4850

59.

23% of 6783 + 57% of 8431 = ?

(1) 6460

(2) 6420

(3) 6320

(4) 6630

(5) 6360

60.

335.01 × 244.99 ÷ 55 = ?

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(1) 1490

(2) 1550

(3) 1420

(4) 1590

(5) 1400

Directions (Q. 61-65) : In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

61.

5531 5506 5425 5304 5135 4910 4621

(1) 5531

(2) 5425

(3) 4621

(4) 5135

(5) 5506

62.

6 7 9 13 26 37 69

(1) 7

(2) 26

(3) 69

(4) 37

(5) 9

63.

1 3 10 36 152 760 4632

(1) 3

(2) 36

(3) 4632

(4) 760 (5) 152

64.

4 3 9 34 96 219 435

(1) 4

(2) 9

(3) 34

(4) 435

(5) 219

65.

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157.5 45 15 6 3 2 1

(1) 1

(2) 2

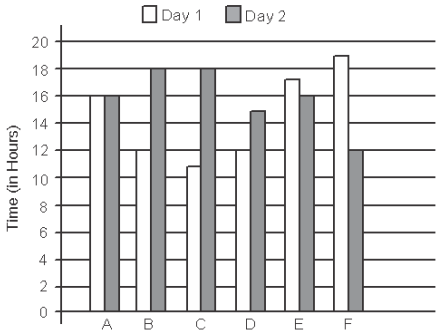
(3) 6

(4) 157.5

(5) 45

Directions (Q. 66-70): Study the following graph and table carefully and answer the questions given below:

Time taken to travel (in hours) by six vehicles on two different days



Distance covered (in kilometres) by six vehicles on each day

Vehicle	Day 1	Day 2
A	832	864
B	516	774
C	693	810
D	552	765
E	935	546
F	703	636

66. Which of the following vehicles travelled at the same speed on both the days?

(1) Vehicle A

(2) Vehicle C

(3) Vehicle F

(4) Vehicle B

(5) None of these

67. What was the difference between the speed of Vehicle A on Day 1 and the speed of Vehicle C on the same day?

(1) 7 km/hr

(2) 12 km/hr

(3) 11 km/hr

(4) 8 km/hr

(5) None of these

68. What was the speed of Vehicle C on Day 2 in terms of metres per second?

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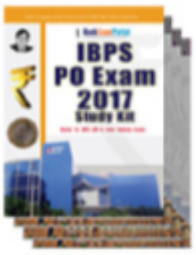

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(1) 15.3

(2) 12.8

(3) 11.5

(4) 13.8

(5) None of these

69. The distance travelled by Vehicle F on Day 2 was approximately what per cent of the distance travelled by it on Day 1?

(1) 80

(2) 65

(3) 85

(4) 95

(5) 90

70. What is the ratio of the speeds of Vehicle D and Vehicle E on Day 2?

(1) 15:13

(2) 17:13

(3) 13:11

(4) 17:14

(5) None of these

71. An article was purchased for ?78,350. Its price was marked up by 30%. It was sold at a discount of 20% on the marked-up price. What was the profit per cent on the cost price?

(1) 4%

(2) 7%

(3) 5%

(4) 3%

(5) 6%

72. When X is subtracted from the numbers 9, 15 and 27, the remainders are in continued proportion. What is the value of X?

(1) 8

(2) 6

(3) 4

(4) 5

(5) None of these

73. What is the difference between the simple and the compound interest on ` 7,300 at the rate of 6 p.c.p.a. in 2 years?

(1) Rs 29.37

(2) Rs 26.28

(3) Rs 31.41

(4) Rs 23.22

(5) Rs 21.34

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74. The sum of three consecutive numbers is 2262. What is 41% of the highest number?

(1) 301.51

(2) 303.14

(3) 308.73

(4) 306.35

(5) 309.55

75. In how many different ways can the letters of the word THERAPY' be arranged so that the vowels never come together?

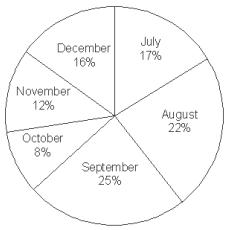
(1) 720

(2) 1440

(3) 5040

(4) 3600

(5) 4800



The ratio between the numbers of mobile phones sold of Company A and Company B during six months

Month	Ratio
July	8:7
August	4 : 5
September	3 :2
October	7 : 5
November	7 : 8
December	7 :9

76. What is the ratio of the number of mobile phones sold of Company B during July to those sold during December of the same company?

(1) 119 : 145

(2) 116 : 135

(3) 119 : 135

(4) 119 : 130

(5) None of these

77. If 35% of the mobile phones sold by Company A during November were sold at a discount, how many mobile phones of Company A during that month were sold without a discount?

(1) 882

(2) 1635

(3) 1638

(4) 885

(5) None of these

78. If the shopkeeper earned a profit of Rs 433 on each mobile phone sold of Company B during October, what was his total profit earned on the mobile phones of that company during the same month?

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(1) Rs 6,49,900

(2) Rs 6,45,900

(3) Rs 6,49,400

(4) Rs6,49,500

(5) None of these

79. The number of mobile phones sold of Company A during July is approximately what per cent of the number of mobile phones sold of Company A during December?

(1) 110

(2) 140

(3) 150

(4) 105

(5) 130

80. What is the total number of mobile phones sold of Company B during August and September together?

(1) 10000

(2) 15000

(3) 10500

(4) 9500

(5) None of these

Directions (Q. 81-85): Study the following information and answer the questions that follow:

The premises of a bank are to be renovated. The renovation is in terms of flooring. Certain areas are to be floored either with marble or wood. All rooms/halls and pantry are rectangular. The area to be renovated comprises a hall for customer transaction measuring 23m by 29m, the branch manager's room measuring 13m by 17m, a pantry measuring 14m by 13m, a record keeping-cum-server room measuring 21 m by 13 m and locker area measuring 29m by 21 m. The total area of the bank is 2000 square metres. The cost of wooden flooring is ` 170 per square metre and the cost of marble flooring is ` 190 per square metre. The locker area, record keeping-cum-server room and pantry are to be floored with marble. The branch manager's room and the hall for customer transaction are to be floored with wood. No other area is to be renovated in terms of flooring.

81. What is the ratio of the total cost of wooden flooring to the total cost of marble flooring?

(1) 1879:2527

(2) 1887:2386

(3) 1887:2527

(4) 1829:2527

(5) 1887:2351

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