

MOCK BASED ON PATTERN ASKED IN FIRST DAY OF IBPS CLERK MAINS 2016
NUMERICAL ABILITY

Directions (Q.41-45): What should come in place of question mark (?).

41. $\frac{4}{7} \times 2\frac{4}{5} \div \frac{2}{5} = ?$
 (1) $\frac{6}{7}$ (2) 8 (3) $\frac{2}{5}$
 (4) 4 (5) None of these
42. $(0.85\% \text{ of } 405) + (2.25\% \text{ of } 550) = ?$
 (1) 16.7175 (2) 15.7150 (3) 13.8175
 (4) 14.7125 (5) None of these
43. $916 \times ? \times 3 = 214344$
 (1) 78 (2) 68 (3) 84
 (4) 66 (5) None of these
44. $(54679 + 5982 + 32614) - (312 \times 69) = ?$
 (1) 71528 (2) 77147 (3) 71747
 (4) 61757 (5) None of these
45. $(?)^2 + (65)^2 = (160)^2 - (90)^2 - 7191$
 (1) 75 (2) 77 (3) 79
 (4) 81 (5) None of these
46. $25.6\% \text{ of } 250 + \sqrt{7} = 119$
 (1) 4225 (2) 3025 (3) 2025
 (4) 5625 (5) None of these
47. $(52\% \text{ of } 3543) - (38\% \text{ of } 2759) = ?$
 (1) 653.36 (2) 993.24 (3) 821.64
 (4) 793.94 (5) None of these
48. $4985.23 + 4632.14 - ? = 4022.12$
 (1) 5955.25 (2) 5595.25 (3) 5295.55
 (4) 5255.95 (5) None of these
49. $\frac{1}{8} \times (223 + ?) = 71$
 (1) 342 (2) 346 (3) 345
 (4) 348 (5) None of these
50. $\frac{2}{7} \times \frac{5}{6} \times \frac{3}{8} \times ? = 790$
 (1) 8848 (2) 8246 (3) 8484
 (4) 8868 (5) None of these
51. $(41)^2 + (38)^2 \times (0.15)^2 = ?$
 (1) 3125.0225 (2) 1713.49 (3) 3125.15
 (4) 59204.0225 (5) None of these
52. $\sqrt{4489} + (71)^2 - (?)^2 = 2707$
 (1) 39 (2) 43 (3) 51
 (4) 49 (5) None of these
53. $(47 \times 588) \div (28 \times 120) = ?$
 (1) 6.284 (2) 7.625 (3) 8.225
 (4) 8.285 (5) None of these
54. $45\% \text{ of } 224 \times ?\% \text{ of } 120 = 8104.32$
 (1) 67 (2) 62 (3) 59
 (4) 71 (5) None of these
55. $(8.34\% \text{ of } 793) - (12.51\% \text{ of } 286) = ?$
 (1) 33.3756 (2) 36.3657 (3) 30.3576
 (4) 28.3675 (5) None of these
56. Rohit starts a business with Rs.6,500 and after 8 months Shyam joins Rohit as his partner. After 4 years the profit is divided in the ratio of 13 : 12. What is Shyam's contribution in the capital?
 1) Rs. 7400 2) Rs. 7200 3) Rs. 7250
 4) Rs. 7630 5) Rs. 7480
57. The speed of a boat in still water is 20 kmph and the rate of current is 4 kmph. The distance travelled by the boat downstream in 30 minutes is
 1) 8 km 2) 10 km 3) 12 km
 4) 14 km 5) 16 km
58. Rs. 2,000 is invested at 10% p.a. on simple interest. If that interest is added to the principal after every 20 years, the amount will become Rs. 14,000 after
 1) 15 years 2) $33\frac{1}{3}$ years 3) $16\frac{2}{3}$ years
 4) 40 years 5) None of these
59. Two trains 128 meters and 122 meters long are running towards each other on parallel lines at 48 kmph and 42 kmph respectively. In what time will they clear off each other from the moment they meet?
 1) 10 seconds 2) 12 seconds 3) 18 seconds
 4) 14 seconds 5) 9 seconds
60. A boat running downstream covers 28 km in 7 hours, while for covering the same distance upstream it takes 14 hours. What is the speed of the boat in still water?
 1) 4 kmph 2) 3 kmph 3) 4.2 kmph
 4) 5 kmph 5) 6 kmph
61. Ram sells a car to Mohan at a profit of 16% and Mohan sells it to Shyam at a profit of 25%. How much profit% Ram would have got if he had sold the car directly to Shyam at the price Shyam bought it?
 1) 41% 2) 42% 3) 45%
 4) 50% 5) None of these
62. A sum on compound interest amounts to Rs. 2410 in 3 years and Rs. 2651 in 4 years. Find the sum.
 1) Rs. 1216 2) Rs. 1500 3) Rs. 1900
 4) Rs. 1600 5) None of these
63. Ajay covers distance by car driving at 60 kmph and returns back to the starting point riding on a scooter at 45 kmph. What is his average speed?
 1) 50.12 km 2) 50.6 km 3) 51.52 km
 4) 51.42 km 5) None of these
64. Two trains of length 120 m and 90 m respectively with the same speed pass a static pole in 8 seconds and 6 seconds respectively. In what time they will cross each other if they are moving in opposite directions?
 1) 14 seconds 2) 6 seconds 3) 20 seconds

- 4) 7 seconds 5) None of these
65. A train travelling at the speed of 50 kmph leaves from a station. Another train travelling at speed of 60 kmph leaves the same station after 7 hours in the same direction. They will meet after what distance?
 1) 1800 km 2) 2100 km 3) 2400 km
 4) 2700 km 5) None of these
66. A alone would take 6 hours more to complete the job than if both A and B would work together. When B worked alone he took 1.5 hours more to complete the job and A and B worked together. How much time they will take if they work together?
 1) 3 hours 2) 4 hours 3) 4.5 hours
 4) 5 hours 5) none of these
67. A dealer bought an item at 10% discount on its original price. He sold it at 35% more than the original price. What percentage profit did he get?
 1) 25% 2) 45% 3) 22.5%
 4) 50% 5) 35%
68. The diameter of a circle is equal to the perimeter of a square whose area is 3136 sq cm. What is the circumference of the circle?
 (1) 352 cm (2) 704 cm (3) 39424 cm
 (4) Cannot be determined (5) None of these
69. Cost of fencing a circular plot at the rate of Rs. 15 per m is Rs. 3300. What will be the cost of flooring the plot at the rate of Rs. 100 per square metre?
 (1) Rs. 385000 (2) Rs. 220000 (3) Rs. 350000
 (4) Cannot be determined (5) None of these
70. Area of a rectangle is equal to the area of a circle whose radius is 14 cm. If the breadth of the rectangle is 22 cm, what is its length?
 (1) 24 cm (2) 28 cm (3) 26 cm
 (4) Cannot be determined (5) None of these

Directions (Q.71-75): What should come in place of question mark?

71. 12 64 34 20 14 ?
 (1) 12 (2) 10 (3) 8
 (4) 6 (5) None of these
72. 4 6 14 44 ? 892
 (1) 160 (2) 176 (3) 492
 (4) 286 (5) None of these
73. 10 11 13 21 69 ?
 (1) 382 (2) 420 (3) 424
 (4) 384 (5) None of these

74. 15 34 20 ? 25 43 30
 (1) 40 (2) 39
 (4) 41 (5) None of these
75. 16 8 12 30 ? 472.5
 (1) 105 (2) 108 (3) 148 (4) 156
 (5) 178

Directions (Q. 76-80): Study the following table carefully to answer the questions that follow

Number of Gold coins (in hundred) produced in Five Different companies during Six Different month

Months	Companies				
	P	Q	R	S	T
Feb	96	56	57	103	92
March	78	134	63	125	117
April	84	156	58	95	119
May	114	149	103	154	143
June	102	133	78	149	138
July	167	147	87	127	127

76. What was the respective ratio between the number of Gold coins produced from company P in the month may and the number of Gold coins produced from company T in the month June?
 (1) 38 : 41 (2) 23 : 21 (3) 19 : 21
 (4) 19 : 23 (5) None of these
77. What was the total number of Gold coins produced from all the companies together in the month of march?
 (1) 53500 (2) 51700
 (3) 5.15 thousand (4) 51500
 (5) None of these
78. In which company the number of the Gold coins continuously increased during the year February to July?
 (1) Only R and T (2) Only Q (3) Only P
 (4) Only Q and T (5) None of these
79. In which Company was the number of Gold coins produced out in the month May highest?
 (1) Q (2) P (3) T
 (4) S (5) R
80. Number of Gold coins produced from company R in the month May was approximately what percentage of the number of Gold coins produced in the company T in the month March?
 (1) 85 (2) 95 (3) 60
 (4) 40 (5) 75