IBPS PO Pre (Memory Based Questions) -Exam Held on 7 & 8 Oct- 2017

Quantitative Aptitude

1) 3,5,13,43,177…..?
2) 68,117,61,124,54….?
3) 7,7,13,37,97……?
4) 3.25,6.5,19.5,78,390..?
5) 9,3.5,2.5,4,15…..?
6) 3,4,9,28,113…?
7) 11,5,4,4.5,7…?
8) 104,102,96,84..?...34.
9) 3072,192,24,6…?....3.
10) 6,280,410,468,490…?
 11) 9,5,6,10.5,23….?
12) 18…20,26,38,..?, 88.
13) 1,20,58,134,286……?
14) 8,7,13,38,151..?
15) 32,?,1024,2048,2048.
16) 17,98,26,89,35,?
17) 2,17,89,359,1079,?
18) 3,5,15,45,113,?
19) 7,4.5,5.5,12,49,?
20) 3240,540,108,27,?,4.5

21) The total age of A,B,C and D is 78 at present. After 7 years the ratio of their ages will be 7:6:4:8 respectively. Then find the present age of A and C?

22) A can do a work in 24 days. In a definite time he can do 1/3 part of this work and in the same time B can do ½ of work done by A. Then find in how many days A and B can together do this work?

23) If marked price of an article is 1600 more than Cost price. After the discount of Rs. 500. on marked price A person sells this article at 25% profit. Find the selling price of article if he had to sell it on 30% profit?

24) Simple interest on the sum A is 11% per annum and compound interest on the sum B which is 400 more than A in 2 years is 140% more of simple interest of A. Find the value of A?

25). The tenth place of a three digit number is 3. If this number is reversed, then it becomes 396 more than its original number. If the sum of unit place and hundredth place is 14. Find the number?

26). S is the series of 4 consecutive even numbers. If the sum of the reciprocal of first two no. is 11/60, then find the reciprocal of third largest number?

27). The sum of length of two trains is 660 m. and ratio of their speed is in the ratio of 5:8. If they takes time to cross an electric pole in the ratio of 4:3 then find the difference between the lengths of trains?

28). The ratio of a diameter and height of a right circular cylinder is 4:3. If we reduce the diameter 25% then its total surface area becomes 318.5π sq. meter then find the perimeter of base of cylinder?

Directions (29-33): What should come in place of question mark (?) in the series given below?

29). 41, 164, 2624..?.. 6045696.
(a) 104244   (b) 94644
(c) 94464   (d) 102444
(e) None of these

30). 14, 43.5, 264.., 76188
(a) 3168   (b) 3176
(c) 1587   (d) 1590
(e) 3174

31). 274, 301, 426, 769, 1498, ?
(a) 3016   (b) 4264
(c) 7692   (d) 2829
(e) None of these

32). 6, 26, 134, 666, 3334, 16666, ?
(a) 83334   (b) 84256
(c) 54333   (d) 13425
(e) None of these

33). 949, 189.8, **?,** 22.776, 11.388, 6.8328
(a) 48.24   (b) 53.86
(c) 74.26   (d) 56.94
(e) None of these

Directions (34-37): What should come in place of question mark(?) in the questions given below?(you are not expected to get exact values).

34). 3739.98 + 164.89 × 29.95 = ?
(a) 10540   (b) 8800
(c) 8690   (d) 6900
(e) 6300

35). 6524.98 ÷ 544.88 × 1.02 =?
(a) 21   (b) 33
(c) 14   (d) 12
(e) 28

36). 51% of 5086 – 3/7 of 899 = ?
(a) 2215   (b) 2315
(c) 2025   (d) 2157
(e) 2351

37) 21 + 4.9 × 7.9 + 9.88= ?
(a) 65   (b) 71
(c) 66   (d) 75
(e) None of these

Directions (38-42): In the following table, number of students studying in five different branches of a university is given for the year 2017. Also given the percentage of students participating in two different games (Hockey and Football). Study the table carefully and answer the questions that follow:

Branches	Total Students	Sports for participation	
		Hockey	Football
Mechanical	480	25%	15%
Electrical	320	20%	25%
Civil	260	30%	10%
Computer Science	450	10%	40%
Electronics	300	16%	30%

38). What will be the difference between students playing Hockey and football together from the Electrical branch and the no. of students playing the same games from Electronics branch?
(a) 8   (b) 6
(c) 12   (d) 11
(e) None of these

39). If 40% students in the Mechanical branch are girls then find the ratio of girls playing Hockey from Mechanical branch to the students playing Football from the Civil branch?
(a) 24: 13   (b) 25: 17
(c) 13: 24   (d) 23: 28
(e) Cannot be determined

40). Total no. of students playing Hockey and Football from Computer Science branch are approximate what percent of total no. of students playing the same games from the Mechanical branch?
(a) 125%   (b) 120%
(c) 117%   (d) 113%
(e) 135%

41). Find the approximate average no. of students playing Football from all branches.
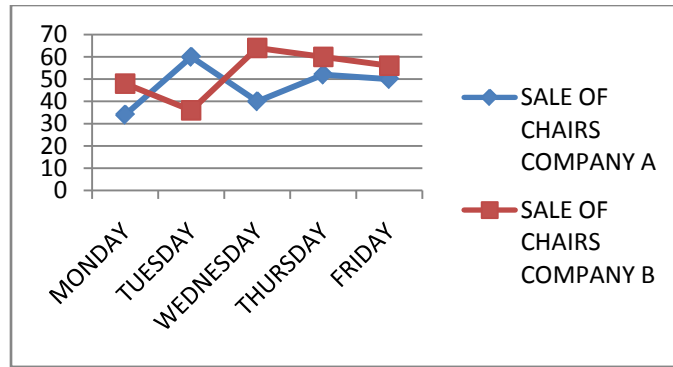(a) 81   (b) 93
(c) 95   (d) 85
(e) 90

42). If 40%, 30% and 50% students are girls in respected branches Electrical, Civil and Computer Science, then find the average no. of girls from these branches who participate in Hockey if the percentage of girls participating in Hockey are 10%,15% and 12% from respected branches (approximately).
(a) 21   (b) 23
(c) 24   (d) 17
(e) 26

Q. (43-46) the sale of two companies are given below. Study the table and answer the following questions-

DAYS	SALE OF COMPANY A	SALE OF COMPANY B
MONDAY	34	48
TUESDAY	60	36
WEDNESDAY	40	64
THURSDAY	52	60
FRIDAY	50	56

43). The selling of chairs by shop B on Monday and Wednesday together is what percent more than the sale of chair by same shop on Tuesday and Thursday together-

A) 20%   B) 20/3%   C) 50/3%   85/4%

44). The average sale of chairs by shop A in all days is what percent the average sale of chairs by shop B in all days?

A) 92.44%   B) 93.5%

C) 95%   D) none of these

45). What was the difference between the average sale of two shops in Tuesday and average sale on Friday?

A) 0   B) 4
C) 5   D) 1
E) None of these

46). What is the ratio of total number of chairs sale by company A and B on Monday to Thursday?

A) 82:115   B) 41:58

C) 40:103   D) 95:115

47. $(\sqrt{80.997} - \sqrt{25.001}) \times (\sqrt{120.98} + \sqrt{16.02})= ?$

48. $53.01 - 345.02 \div 22.99 = 2 \times ?$

49. $\sqrt{(3099.985 \div 62.001 + 14.001)} = ?$

50. $(184.002 - 29 \div 5) \times 29.997 = ?$

51. $(111.91 \times 51) \div 14.02 = 11.002 + ?$