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IBPS 2011 CWE for PO : Solved Question Paper
on Quantitative Aptitude

Quantitative Aptitude

1. 50% of 90-50% of 15% = 1578-?

- (A) 1522.925
- (B) 1622.725
- (C) 1533.075
- (D) 1649.925
- (E) None

2. $412 \div 4 + 206 = 298 + \sqrt{2}$

- (A) 144
- (B) 121
- (C) 134
- (D) 169
- (E) NOT

3. $8\frac{1}{8} + 2\frac{1}{4} - 7\frac{2}{3} + 13\frac{5}{12}=?$

- (A) $16\frac{5}{24}$
- (B) $8\frac{1}{12}$
- (C) $9\frac{5}{12}$
- (D) $11\frac{7}{12}$
- (E) NOT

4. $5886 + 77 - 7019 + 1187 = 219 + ?$

- (A) 79
- (B) 197

(C) 179

(D) 47

(E) NOT

5. $\frac{6}{5} + 0.349 + 15\%$ of 18 =?

(A) 4.349

(B) 4.249

(C) 4.149

(D) 3.249

(E) NOT

6. 15 : 66 :: 185 : ?

(A) 824

(B) 644

(C) 604

(D) 814

(E) None of these

7. $64^{12} \div 4^{15} = 64^?$

(A) 9

(B) 3

(C) 12

(D) 7

(E) None of these

8. 14% of 80% + ?% of 90 = 31.9

(A) 16

(B) 23

- (C) 18
(D) 26
(E) None of these

9. $\sqrt{97344} = ?$

- (A) 312
(B) 322
(C) 292
(D) 342
(E) None of these

10. $3\frac{6}{7} - 6\frac{1}{4} + 5\frac{1}{3} = ?$

- (A) $1\frac{65}{84}$
(B) $8\frac{1}{84}$
(C) $2\frac{79}{84}$
(D) $5\frac{47}{84}$
(E) None of these

Direction- (Q. 11- 15) what should come in place of the question-mark (?) in the following number series?

11. 15, 18, 16, 19, 17, 20, ?

- (A) 23
(B) 22
(C) 16
(D) 18
(E) None of these

12. 1050, 420, 168, 67.2, 26.88, 10.752, ?

- (A) 4.3008
- (B) 6.5038
- (C) 4.4015
- (D) 5.6002
- (E) None of these

13. 0, 6, 24, 60, 120, 210,?

- (A) 343
- (B) 280
- (C) 336
- (D) 295
- (E) None of these

14. 32, 49, 83, 151, 287, 559,?

- (A) 1118
- (B) 979
- (C) 1103
- (D) 1120
- (E) None of these

15. 462, 552, 650, 756, 870, 992,?

- (A) 1040
- (B) 1122
- (C) 1132
- (D) 1050
- (E) None of these

Direction- (Q. 16-20) 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.)

16. $5554.999 \div 50.007 = ?$

- (A) 110
- (B) 150
- (C) 200
- (D) 50
- (E) 125

17. $(18.001)^3 = ?$

- (A) 5830
- (B) 5500
- (C) 6000
- (D) 6480
- (E) 5240

18. $23.001 \times 18.999 \times 7.998 = ?$

- (A) 4200
- (B) 3000
- (C) 3500
- (D) 4000
- (E) 2500

19. $9999 \div 99 \div 9 = ?$

- (A) 18
- (B) 15
- (C) 6
- (D) 11
- (E) 20

20. 22.005% of (A) 449.999 =?

- (A) 85
- (B) 100
- (C) 125
- (D) 75
- (E) 150

21. A sum of rs. 731 is divided among A, B and C, such that 'A' receives 25% more than 'B' and 'B' receives 25% less than 'C' What is C's share in the amount?

- (A) Rs. 272
- (B) Rs. 200
- (C) Rs. 262
- (D) Rs. 258
- (E) None of these

22. In how many different ways can the letters of the word 'PRAISE' be arranged?

- (A) 720
- (B) 610
- (C) 360
- (D) 210
- (E) None of these

23. If the numerator of a fraction is increased by 150% and the denominator of the fraction is increased by 300%, the resultant fraction is $\frac{5}{18}$ What is the original fraction?

- (A) $\frac{4}{9}$
- (B) $\frac{4}{5}$
- (C) $\frac{8}{9}$

(D) $\frac{8}{11}$

(E) None of these

24. A car covers the first 39km of its journey in 45 minutes and covers the remaining 25 km in 35 minutes . What is the average speed of the car?

(A) 40km/hr.

(B) 64km/hr.

(C) 49km/hr.

(D) 48km/hr.

(E) None of these

25. Four examiners can examine a certain number of answer papers in 10 days by working for 5 hours a day. For how many hours in a day would 2 examiners have to work in order to examine twice the numbers of answer papers in 20days?

(A) 8hours

(B) $7\frac{1}{2}$ hours

(C) 10 hours

(D) $8\frac{1}{2}$ hours

(E) None of these

Direction-(Q. 26-30) In each of these questions, two equations are given. You have to solve these equations and find out the values of x and y and give answer-

(A) If $x < y$ (B) If $x > y$ (C) If $x \leq y$ (D) If $x \geq y$ (E) If $x = y$

26. I. $16x^2 + 20x + 6 = 0$

II. $10y^2 + 38y + 24 = 0$

27. I. $18x^2 + 18x + 14 = 0$

II. $12y^2 + 29y + 14 = 0$

28. I. $8x^2 + 6x = 5$

II. $12y^2 - 22y + 8 = 0$

29. I. $17x^2 + 48x = 9$

II. $13y^2 = 32y - 12$

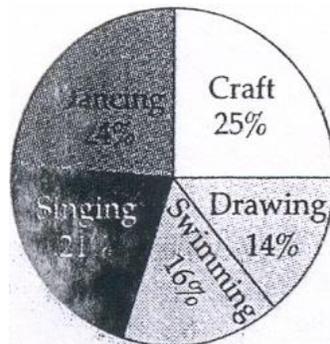
30. I. $4x + 7y = 209$

II. $12x - 14y = -38$

Directions-(Q. 31-35) Study the pie-chart carefully to answer the following questions.

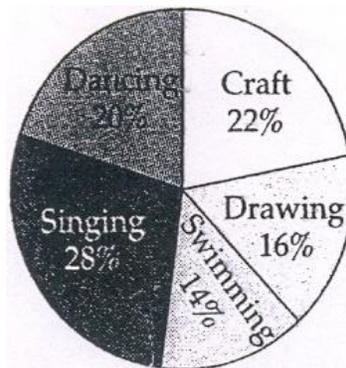
Percentage of students enrolled in different activities in a school

N = 3000



Percentage break-up of girls enrolled in these activities out of the total students

N = 1750



31. What is the approximate percentage of boys in the school?

- (A) 34
- (B) 56
- (C) 28
- (D) 50
- (E) 42

32. How many boys are enrolled in Singing and craft together?

- (A) 505
- (B) 610
- (C) 485
- (D) 420
- (E) None of these

33. What is the total numbers of girls enrolled in Swimming and Drawing together?

- (A) 480
- (B) 525
- (C) 505
- (D) 495
- (E) None of these

34. Numbers of girls enrolled in Dancing from what percent of total number of students in the school?

(Rounded off to two digits after decimal)

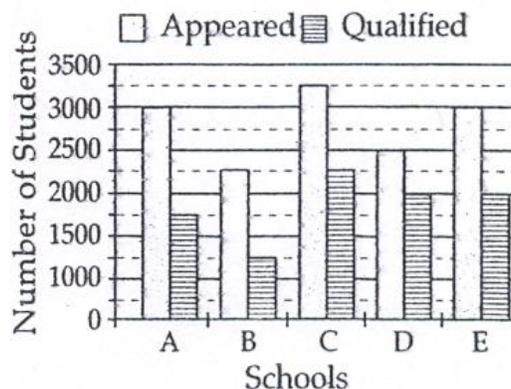
- (A) 12.35
- (B) 14.12
- (C) 11.67
- (D) 10.08
- (E) None of these

35. What is the respective ratio of number of girls enrolled in Swimming to the number of boys enrolled in Swimming?

- (A) 47 : 49
- (B) 23 : 29
- (C) 29 : 23
- (D) 49 : 47
- (E) None of these

Directions-(Q. 86-90) Study the following graph carefully and answer the questions given below it.

Total number of students appeared and qualified from various schools at a Scholarship Exam.



36. The average number of students qualified at the examination from schools C and D are what percent of the average number of students appeared for the examination from the same school?

(Rounded off to two digits after decimal)

- (A) 58.62
- (B) 73.91
- (C) 62.58
- (D) 58.96
- (E) None of these

37. What is the respective ratio of the number of students appeared to the number of students qualified at the Scholarship exam from School C?

- (A) 7:12
- (B) 6:5
- (C) 9:13
- (D) 9:10
- (E) None of these

38. What is the respective ratio of the number of students qualified at the Scholarship examination from school A and the number of students qualified at the examination from school B?

- (A) 8:3
- (B) 5:7
- (C) 7:3
- (D) 9:5
- (E) None of these

39. The number of students appeared for the Scholarship exam from School D are approximately what percent of the total number of students appeared for the exam from all the schools together?

- (A) 12
- (B) 24
- (C) 29
- (D) 18
- (E) 8

40. What is the difference between the average number of students appeared in the Scholarship exam from all the given schools and the average number of students qualified from all the given schools?

- (A) 950
- (B) 1100
- (C) 990

(D) 1020

(E) None of these

41. The deference between the amount of compound interest and simple interest accrued on an amount of Rs. 26,000 at the end of 3 years is Rs. 2994.134. What is the rate of interest p.c.p.a. ?

(A) 22

(B) 17

(C) 19

(D) Cannot be determined

(E) None of these

42. On a shelf there are 4 book on Economics, 3 books on Management and 4 books on Statistics. In how many different ways can the books be arranged so that the books on Economics are kept together?

(A) 967680

(B) 120960

(C) 5040

(D) 40320

(E) None of these

43. 6 women and 6 men together can complete a piece of work in 6 days. In how many days can 15 men alone complete the piece of work if 9 women alone can complete the work in 10 days?

(A) 6

(B) 5

(C) 7.2

(D) Cannot be determined

(E) None of these

44. Ravi borrowed some money at the rate of 4 p.c.p.a. for the first three years, at the rate of 8 p.c.p.a. for the next two years and at the rate of 9 p.c.p.a. for the period beyond 5 years. If he pays a total simple interest of Rs. 19,550 at the end of 7 years, how much money did he borrow?

- (A) Rs. 39,500
- (B) Rs. 42,500
- (C) Rs. 41,900
- (D) Rs. 43,000
- (E) None of these

45. What is the area of a circle whose radius is equal to the side of a square whose perimeter is 112 meters?

- (A) 176 sq m
- (B) 2504 sq m
- (C) 284 sq m
- (D) 1956 sq m
- (E) None of these

Directions-(Q. 96-100) study the following table carefully to answer the questions that follow-

Number of Students Studying in Six Different Colleges over the years						
Year	College					
	P	Q	R	S	T	U
2004	2500	2250	2450	2150	2020	2300
2005	2040	2300	2400	2200	2090	2120
2006	2100	2150	2330	2250	2180	2260
2007	2280	2600	2260	2340	2250	2490
2008	2540	2540	2120	2380	2310	2520
2009	2320	2440	2500	2480	2400	2440

46. What is the total number of students from all the Colleges together in the year 2005?

- (A) 10350
- (B) 13150
- (C) 15310
- (D) 11350
- (E) None of these

47. What is the percent increase in the number of students in College T in the year 2007 from the previous year?

(Rounded off to two digits after decimal)

- (A) 8.33
- (B) 5.18
- (C) 6.63
- (D) 3.21
- (E) None of these

48. Number of students in College P in the year 2008 forms approximately what percent of the total number of students in that College from all the years together?

- (A) 11
- (B) 31
- (C) 18
- (D) 26
- (E) 23

49. What is the respective ratio of total number of students in College S in the years 2006 and 2009 together to the total number of students in College U from the same years?

- (A) 473:4703
- (B) 470:473
- (C) 371:390
- (D) 390:371

(E) None of these

50. What is the average number of students in all the Colleges together in the year 2004?

(Rounded off to the nearest integer)

(A) 2208

(B) 2196

(C) 2144

(D) 2324

(E) 2278

ANSWER

1	C
2	B
3	A
4	E
5	B
6	D
7	D
8	B
9	A
10	C
11	D
12	A
13	C
14	C
15	B
16	A
17	A
18	C
19	D
20	B
21	A
22	A
23	A
24	D
25	C

26	B
27	D
28	C
29	A
30	E
31	E
32	A
33	B
34	C
35	D
36	B
37	E
38	E
39	D
40	A
41	C
42	A
43	E
44	B
45	E
46	B
47	D
48	C
49	A
50	E