APTITUDE QUIZ

Q1. The downstream speed of a boat is 200/3% more than the upstream speed of the boat. The boat takes two hours more in traveling 24 km distance in upstream than traveling downstream. Find the speed of boat in sill water.

(a) 8.4 km/h

(b) 4.6 km/h

(c) 6.4 km/h

(d) 12.8 km/h

(e) 5.4 km/h

Q2. A man can row three-quarters of a kilometer against the stream in 45/4 minutes and return in 15/2 minutes. The speed of the man in still water is:

(a) 2 km/hr

(b) 3 km/hr

(c) 4 km/hr

(d) 5 km/hr

(e) 7 km/hr

Q3. There are two vessels A and B. Vessel A contains mixture milk and water in the ratio of 11 : 9, while vessel B contains mixture water and apple Juice in the ratio of 3 : 7. If 44 liter mixture from vessel A and 32 liter mixture from vessel B taken out and mixed together in vessel C, then find the quantity of water in vessel C ?

(a) 29.4 ℓ

(b) 2.94 ℓ

(c) 24.9 ℓ

(d) 26.4 ℓ

(e) 23.4 ℓ

Q4. Mr. Gupta invested his total wealth in two schemes P and Q which give 50/3% compound interest per annum and 20% simple interest per annum respectively. If interest obtained from these two schemes after 2 years were same and Mr. Gupta's total wealth was Rs 61.65 lakhs. Find the interest obtained from amount invested in simple interest.
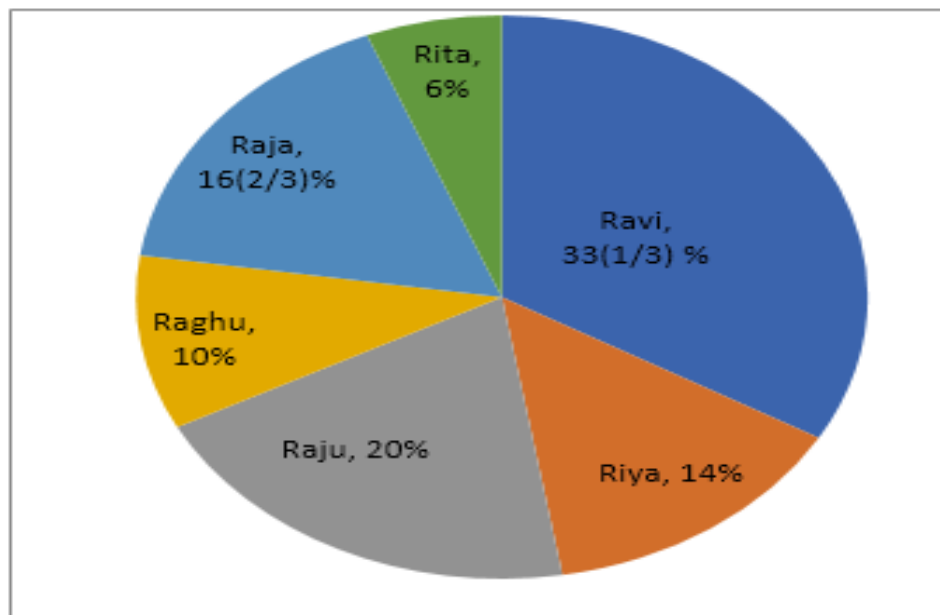
(a) 14.96 lakhs

(b) 10.7 lakhs

(c) 1.296 lakhs

(d) 11.7 lakhs

(e) 9.96 lakhs

Q5. A number is chosen from first 100 natural numbers. Find the probability that the number is divisible by 2 and 3.

(a) 4/25

(b) 6/25

(c) 8/25

(d) 16/25

(e) 9/25

Directions (6-10): The following pie chart shows the percentage distribution of scholarship money obtained by six students of a university in Rs. 500 and Rs. 1000 notes. The table shows the ratio of no. of Rs.500 and Rs.1000 notes obtained by the students. Study the graphs carefully and answer the related questions.

Total money of scholarship distributed to the six students = Rs.7.5 lakhs

Students	Ratio of Rs.500 to Rs.1000 notes
Ravi	3 : 1
Riya	3 : 2
Raju	1 : 2
Raghu	4 : 3
Raja	11 : 7
Rita	1 : 1

Note: In entire money there are in only Rs.500 and Rs.1000 notes.

Q6. Total money obtained by Ravi in the form of Rs 500 notes is what percent of total money obtained by Raju in the form of Rs.1000 notes?

(a) 120%

(b) 125%

(c) 115%

(d) 130%

(e) 140%

Q7. What is the ratio of money obtained by Riya & Ravi together to that by Raghu and Raja together?

(a) 43 : 70

(b) 40 : 71

(c) 71 : 40

(d) 70 : 43

(e) 83 : 40

Q8. What is the average no. of Rs.500 notes obtained by Rita & Riya together?

(a) 70

(b) 65

(c) 60

(d) 50

(e) 55

Q9. Total no. of Rs.1000 notes obtained by Raja is how much percent more or less than the total no. of Rs.1000 notes obtained by Riya?

(a) 100/3%

(b) 37/3%

(c) 31/3%

(d) 50/3%

(e) 25/2%

Q10. What is the difference between total no. of Rs.1000 notes obtained by Ravi and Raju together and Rs.500 notes obtained by Ravi and Raju together?

(a) 130

(b) 150

(c) 120

(d) 80

(e) 110

Directions (11-15): Find the wrong term in the following series.

Q11. 196, 168, 143, 120, 99, 80, 63

(a) 168

(b) 120

(c) 99

(d) 196

(e) 143

Q12. 3, 5, 14, 48, 200, 1008, 6072

(a) 200

(b) 1008

(c) 14

(d) 5

(e) 6072

Q13. 2, 6, 24, 96, 285, 568, 567

(a) 285

(b) 24

(c) 567

(d) 2

(e) 568

Q14. 258, 130, 66, 34, 18, 8, 6

(a) 8

(b) 18

(c) 6

(d) 130

(e) 34

Q15. 4, 10, 22, 46, 96, 190, 382

(a) 8

(b) 10

(c) 96

(d) 382

(e) 190

ANSWERS

1. C

2. D

3. A

4. D

5. A

6. B

7. C

8. C

9. D

10. B

11. D

12. B

13. B

14. A

15. C