IEM KOLKATA

SIMPLIFICATION

Instructor: Akash Bhattacharya

Q1) What will be the fraction form of $0.35\overline{23}$?

Q2) What will be the value of $\left(0.\overline{15268} \div 0.\overline{45804}\right)$

Q3) Add $17.4\overline{99}$, 17.85 and $17.\overline{333}$?

Q4) What will be the value of $1 \times 0.3 \times 0.01 \times 0.003$?

Q5) What will be the value of $\frac{1}{0.0004659}$ if $\frac{1}{4.659} = 0.2146$?

Q6) Identify the least of the following : $0.2, (0.2)^2, 0.\bar{2}, 1 \div 0.2$

Q7) $\frac{4}{7}$ of $\frac{2}{3}$ of $\frac{5}{6}$ of $\frac{5}{8}$ of 1008 is?

Q8) $8\frac{1}{6} + 5\frac{1}{8} + 4\frac{2}{3} =$?

Q9) If a fraction's denominator is decreased by 80% and numerator is increased by 300%, the fraction becomes 2/9. What is the fraction?

Q10) In 3 fractions, when the largest fraction is divided by the smallest fraction, the result 5/4 is greater than the middle fraction by 1/2 .If sum of the three fractions is $2\frac{3}{12}$, what will be the difference between largest and smallest fraction?

Q11) What is the value of $5.55 + 5 + 5.5 + 5.555 + 5.05 + 5.00$?

Q12) $4.142 + 100.8 + x + 0.053 = 105.153$. x is equal to what?

Q13) $19.399 + 10.33 + 7.82 + 3.111 =$?
(a) 40.66 (b) 40.65 (c) 90.856 (d) 40.566

Q14) What is the approximate value of $8459 \div 11.98 - 23.99 \div \frac{7}{140}$?

Q15) What is the value of $945.341 - 1042.792 + 875.435 + 31.025$?
(a) 908.004 (b) 810.008 (c) 795.659 (d) 809.009