QUANTITATIVE ABILITY

Q1. Pipe A takes 16 min to fill a tank. Pipes B and C, whose cross-sectional circumferences are in the ratio 2:3, fill another tank twice as big as the first. If A has a cross-sectional circumference that is one-third of C, how long will it take for B and C to fill the second tank? (Assume the rate at which water flows through a unit cross-sectional area is same for all the three pipes.)

- 66/13
- 40/13
- 16/13
- 32/13

Q2.Which pair of rational numbers lie between 1/5 and 2/5 –

- 262/1000, 275/1000
- 362/1000, 562/1000
- 451/1000, 552/1000
- 121/1000,131/1000

Q3. If x increases linearly, how will a^{-x} behave (a>1)?

- Increase linearly
- Decrease linearly
- Increase exponentially
- Decrease exponentially

Q4. If x% of a is the same as y% of b, then z% of b is :

- (xy/z)% of a
- (yz/x)% of a
- (xz/y)% of a
- None of these

Q5. Three consecutive whole numbers are such that the square of the middle number is greater than the product of the other two by 1. Find the middle number.

- 6
- 18
- 12
- All of these