

REAL NUMBERS

CLASS 10

Choose the correct option.

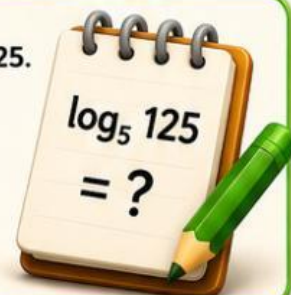
1 The prime factorization of a natural number is $2^3 \times 3^2 \times 5^2 \times 7$. How many consecutive zeros will it have at the end?

- A 1 B 2
C 3 D 4



2 Find the value of $\log_{55} 125$.

- A 2 B 3
C 4 D 5



3 Which of the following is an irrational number?

- A $\frac{3}{4}$ B 0.25
C $\sqrt{7}$ D 0.333...



4 The HCF of 24 and 33 is:

- A 1 B 3
C 6 D 9



5 Expand $\log_{10} 385$.

- A $\log 5 + \log 7 + \log 11$
B $\log 35 + \log 11$
C $\log 3 + \log 85$
D $\log 385 - \log 10$



6 The value of $\log_{\sqrt{2}} 128$ is:

- A 7 B 14
C 21 D 28



7 Which decimal number is terminating?

- A $\frac{11}{7000}$ B $\frac{91}{21000}$
C $\frac{21}{9000}$ D $\frac{343}{2^3 \times 5^3 \times 7^3}$



8 If $\log_{10} 2 + \log_{10} 5$, the value is:

- A 1 B 2
C 5 D 10

$2 + 5$
 $\log(a) + \log(b) = \log(ab)$

9 The exponential form of $\log_{10} 0.001 = -3$ is:

- A $10^{-3} = 0.001$
B $10^3 = 0.001$
C $(-3)^{10} = 0.001$
D $0.001^{10} = -3$



10 If $\log_{10} 2 = 0.3010$, then $\log_{10} 32$ equals:

- A 0.3010
B 1.5050
C 2.3010
D 5.3010

