

MCQs

1. What is the value of $(-1)^{-1}$?
 - I. 0
 - II. -1
 - III. 1
 - IV. None of these
2. Which of the following is the value of 'm' in $6^m / 6^{-3} = 6^5$?
 - I. -3
 - II. -2
 - III. 3
 - IV. 2
3. Which of the following is the standard form of 0.00001275?
 - I. $1.275 * 10^{-5}$
 - II. $1.275 * 10^5$
 - III. $127.5 * 10^{-7}$
 - IV. $127.5 * 10^7$
4. Which of the following is used as a form of $5.05 * 10^6$?
 - I. 505000
 - II. 505000000
 - III. 5050000
 - IV. 50500000
5. For which of the following is $m = 8$?
 - I. $(5^m \div 5^{-3}) / 5^2 = 5^3$
 - II. $-(5^m \div 5^{-3}) / 5^3 = 5^2$
 - III. $(5^m \div 5^3) / 5^2 = 5^3$
 - IV. $(5 \div 5^{-2}) / 5^2 = 5^3$

6. 1 micron = $1/1000000$ m. which of the following is its standard form?

I. $1.1 * 10^{-5}$

II. $1.6 * 10^{-5}$

III. $0.1 * 10^{-6}$

IV. $1.0 * 10^{-6}$

7. $[(1/2)^{-1} + (2/3)^2 - (3/4)^0]^{-2}$ is equal to:

I. $81/484$

II. $81/169$

III. $169/81$

IV. $16/81$

8. Which of the following = $(100 - 99^0) * 100$?

I. 10000

II. 100

III. 9900

IV. 99000

9. What is the reciprocal of $(-3/4)^0$?

I. -1

II. 1

III. $-4/3$

IV. $4/3$

10. Which of the following is the value of $(4/5)^{-9} / (4/5)^{-9}$?

I. $(4/5)^{18}$

II. $4/5$

III. 1

IV. $(5/4)^9$