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### Revision

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. $1.275 \times 10^{-5}$   II. $1.275 \times 10^5$          III. $127.5 \times 10^{-7}$          IV. $127.5 \times 10^7$

4. Which of the following is used as a form of $5.05 \times 10^6$?

   I. 505000          II. 505000000          III. 5050000          IV. 50500000

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

   I. $1.1 \times 10^{-5}$          II. $1.6 \times 10^{-5}$          III. $0.1 \times 10^{-6}$          IV. $1.0 \times 10^{-6}$

6. $[(1/2)^{-1} + (2/3)^2 - (3/4)^0]^{-2}$ is equal to:

   I. 81/484          II. 81/169          III. 169/81          IV. 16/81

7. Which of the following = $(100 - 99^0) \times 100$?

   I. 10000          II. 100          III. 9900          IV. 99000

8. Simplify $(1/3^2)^3$.

9. Evaluate: $(5^{-1} * 8^2) / (2^{-3} * 10^{-1})$.

10. Find the value of 'm' for which $6^m / 6^{-3} = 6^5$?

11. Evaluate $[(1/2)^{-1} - (1/3)^{-1}]^{-1}$.

12. Simplify: $(-3)^5 \times (5/3)^5$.

13. Compare $7 \times 10^{-6}$ and $129 \times 10^{-7}$.

14. The size of a plant cell is 0.00001275 m. express it in standard form.

15. If the thickness of a paper sheet is 0.0016 cm, find the thickness of 100 sheets. Express the answer in standard form.