



1. $\log_{1000} 10000 =$

- (i) 9.3333 (ii) 0.3333 (iii) 1.3333 (iv) 2.3333 (v) 3.3333

2. $\log_4 8 =$

- (i) 3.5 (ii) 1.5 (iii) 2.5 (iv) 9.5 (v) 0.5

3. $\log_{81} 27 =$

- (i) 0.75 (ii) 2.75 (iii) 7.75 (iv) 8.75 (v) 1.75

4. $\log_{729} 81 =$

- (i) 2.6667 (ii) 8.6667 (iii) 1.6667 (iv) 0.6667 (v) 7.6667

5. $\log_{512} 64 =$

- (i) 2.6667 (ii) 0.6667 (iii) 8.6667 (iv) 7.6667 (v) 1.6667

6. $\log_8 16 =$

- (i) 0.3333 (ii) 3.3333 (iii) 1.3333 (iv) 9.3333 (v) 2.3333

7. $\log_{64} 512 =$

- (i) 1.5 (ii) 2.5 (iii) 0.5 (iv) 3.5 (v) 9.5

8. $\log_{16} 32 =$

- (i) 2.25 (ii) 1.25 (iii) 3.25 (iv) 0.25 (v) 9.25

9. $\log_{256} 1024 =$

- (i) 0.25 (ii) 9.25 (iii) 1.25 (iv) 3.25 (v) 2.25

10. $\log_{4096} 64 =$

- (i) 1.5 (ii) 2.5 (iii) 7.5 (iv) 0.5 (v) 8.5

11. $\log_{125} 625 =$

- (i) 3.3333 (ii) 1.3333 (iii) 9.3333 (iv) 0.3333 (v) 2.3333

12. $\log_{49} 2401 =$

- (i) 1 (ii) 2 (iii) 3 (iv) 0 (v) 4

13. The base of $\log_3 10$ is

- (i) 6 (ii) 2 (iii) 3 (iv) 10 (v) 1

14. The base of $\log_3 \frac{5}{7}$ is

- (i) 1 (ii) 3 (iii) $\frac{5}{7}$ (iv) 2 (v) 6

15. The base of $\log_{9.00} 21.0000$ is

- (i) 12 (ii) 21 (iii) 6 (iv) 9 (v) 8

16. The base of $\log_9 54^{10}$ is

- (i) 11 (ii) 8 (iii) 54^{10} (iv) 9 (v) 6

17. The base of $\log_{\frac{9}{10}} 8$ is

- (i) $\frac{9}{10}$ (ii) $\frac{9}{8}$ (iii) 8 (iv) $\frac{11}{10}$ (v) $\frac{7}{10}$

18. The base of $\log_{\frac{1}{2}} \frac{30}{59}$ is

- (i) 1 (ii) $\frac{3}{2}$ (iii) $\frac{1}{2}$ (iv) $\frac{30}{59}$ (v) $(\frac{-1}{2})$

19. The base of $\log_{\frac{7}{9}} 27^5$ is

- (i) $\frac{7}{9}$ (ii) 1 (iii) $\frac{5}{9}$ (iv) 27^5

20. The logarithmic notation of $2^5 = 32$ is

- (i) $\log_2 31 = 5$ (ii) $\log_2 32^2 = 5$ (iii) $\log_2 35 = 5$ (iv) $\log_2 32 = 5$ (v) $\log_{2^{-1}} 29 = 5$

21. The base exponent form of $\log_8 512 = 3$ is

- (i) $8^4 = 512$ (ii) $3^8 = 512$ (iii) $8^2 = 512$ (iv) $8^3 = 512$ (v) $10^3 = 512$

22. $\log_{34^5} 34^7 =$

- (i) 2.4 (ii) 9.4 (iii) 1.4 (iv) 3.4 (v) 0.4

Assignment Key

1) (iii)	2) (ii)	3) (i)	4) (iv)	5) (ii)	6) (iii)
7) (i)	8) (ii)	9) (iii)	10) (iv)	11) (ii)	12) (ii)
13) (iii)	14) (ii)	15) (iv)	16) (iv)	17) (i)	18) (iii)
19) (i)	20) (iv)	21) (iv)	22) (iii)		