EduSahara™ Assignment

Name : Computation

Chapter : Logarithms

Grade : ICSE Grade IX

1. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the characteristic of $log\ 243^4 =$

(i) 7 (ii) 10 (iii) 11 (iv) 9 (v) 8

2. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the characteristic of $log\ 720^{31} =$

(i) 85 (ii) 87 (iii) 89 (iv) 91 (v) 88

3. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the mantissa of $log\ 280^{79} =$

(i) 0.313 (ii) 8.313 (iii) 1.313 (iv) 2.313 (v) 7.313

4. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log\ 576^{68}$ is

(i) 185.6936 (ii) 186.6936 (iii) 187.6936 (iv) 188.6936 (v) 189.6936

5. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the number of digits in the expanded form of 1440^{32} is

(i) 100 (ii) 103 (iii) 101 (iv) 102 (v) 104

6. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{700^{27}} 576^{32}$ is

(i) 0.1499 (ii) 2.1499 (iii) 1.1499 (iv) 9.1499 (v) 3.1499

7. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10.00} 6.4800$ is

(i) 1.811 (ii) 8.811 (iii) 7.811 (iv) 0.811 (v) 2.811

8. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10} \frac{784}{768}$ is

(i) 8.0091 (ii) 0.0091 (iii) 2.0091 (iv) 7.0091 (v) 1.0091

9. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log\ 768^{92}$ is

(i) 264.4292 (ii) 263.4292 (iii) 267.4292 (iv) 266.4292 (v) 265.4292

10. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the number of digits in the expanded form of 7680^{8} is

(i) 31 (ii) 32 (iii) 35 (iv) 33 (v) 30

11. $log_{7^{15}} 7^{36} =$

(i) 1.4 (ii) 0.4 (iii) 4.4 (iv) 3.4 (v) 2.4

12. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{432^{46}} 108^{11}$ is

(i) 1.1845 (ii) 2.1845 (iii) 8.1845 (iv) 7.1845 (v) 0.1845

13. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10.00} 1.6200$ is

(i) 2.209 (ii) 8.209 (iii) 1.209 (iv) 7.209 (v) 0.209

14. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10} \frac{1440}{840}$ is

(i) 1.234 (ii) 8.234 (iii) 2.234 (iv) 0.234 (v) 7.234

15. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log\ 243^{4}$ is

(i) 8.542 (ii) 9.542 (iii) 11.542 (iv) 7.542 (v) 10.542

16. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the number of digits in the expanded form of 3087^{37} is

(i) 129 (ii) 127 (iii) 132 (iv) 131 (v) 130

17. $log_{20^{15}} 20^{45} =$

(i) 2 (ii) 5 (iii) 1 (iv) 4 (v) 3

18. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{270^{11}} 336^{42}$ is

(i) 3.9674 (ii) 4.9674 (iii) 1.9674 (iv) 5.9674 (v) 2.9674

19. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10.00} 2.5920$ is

(i) 7.413 (ii) 0.413 (iii) 2.413 (iv) 8.413 (v) 1.413

20. If $log\ 2 = 0.3010, log\ 3 = 0.4771, log\ 5 = 0.6989, log\ 7 = 0.8451,$ the value of $log_{10} \frac{1296}{864}$ is

(i) 8.1761 (ii) 0.1761 (iii) 1.1761 (iv) 7.1761 (v) 2.1761

Assignment Key

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