

| Set 1: Question No 1 | Set 1: Question No 2 | Set 1: Question No 3 |
|--|-----------------------|--------------------------------|
| Find the value of $\log_{10} \sqrt[3]{1000}$ | Evaluate $\log_3 243$ | Find x if $\log_2 (x - 3) = 3$ |
| Recall/ Remembering | Recall/ Remembering | Understand |
| a) 3 | a) 3 | a) 12 |
| b) 1 | b) 2 | b) 6 |
| c) 1/3 | c) 1/3 | c) 11 |
| d) 10 | d) 5 | d) 8 |
| Ans: | Ans: <d> | Ans: <c> |

| Set 2: Question No 1 | Set 2: Question No 2 | Set 2: Question No 3 |
|-----------------------------------|-------------------------|--|
| Solve for x: $\log_4(3x - 5) = 0$ | Evaluate: $\log_{16} 2$ | Evaluate x if: $\log_2(\sqrt[4]{2}) = x$ |
| Understanding | Understanding | Understanding |
| a) 3 | a) 4 | b) 4 |
| b) 2 | b) -4 | b) -4 |
| c) 5 | c) $\frac{1}{4}$ | c) $\frac{1}{4}$ |
| d) 1 | d) $-\frac{1}{4}$ | d) $-\frac{1}{4}$ |
| Ans: | Ans: <c> | Ans: <c> |

| Q 1 | Q 2 | Q 3 | Q 4 | Q 5 |
|-------------------------------|--|---|---|--------------------------------------|
| Evaluate: $\log_{\sqrt{3}} 9$ | Find the value of x if, $\log_x 125 = 3$ | Evaluate: $(\log_3 4) \times (\log_4 81)$ | Simplify: $\log\left(\frac{9}{14}\right) - \log\left(\frac{15}{16}\right) + \log\left(\frac{35}{24}\right)$ | Simplify: $\log 5 + \log 3 - \log 2$ |
| Recall/ Remembering | Understanding | Application | Understanding | Application |
| a) 2 | a) 5 | a) 4 | a) $\log(2/3)$ | a) $\log(6)$ |
| b) 3 | b) 25 | b) $1/4$ | b) $\log(3/2)$ | b) $\log(15/2)$ |
| c) 4 | c) 3 | c) 2 | c) 1 | c) $\log(10/3)$ |
| d) 6 | d) -5 | d) $1/2$ | d) 0 | d) $\log(5/6)$ |
| Ans: <c> | Ans: <a> | Ans: <a> | Ans: <d> | Ans: |