Unit 2 Logarithms

Sr. No.	Questions	A	В	С	D
1	The standard form of 5.2×10^6 is:	52,000	520,000	5,200,000✓	52,000,000
2	Scientific notation of 0.00034 is:	3.4×10^3	3.4×10^{-4}	3.4×10^4	3.4×10^{-3}
3	The base of common logarithm is:	2	10✓	5	e
4	$\log_2 2^3 = \underline{\hspace{1cm}}.$	1	2	5	3√
5	$\log 100 = \underline{\hspace{1cm}}.$	2√	3	10	1
6	If $\log 2 = 0.3010$, then $\log 200$ is:	1.3010	0.6010	2.3010✓	2.6010
7	$\log(0) = \underline{\hspace{1cm}}.$	positive	negative	zero	undefined√
8	$\log 10,000 = $	2	3	4√	5
9	$\log 5 + \log 3 = \underline{\hspace{1cm}}.$	log 0	log 2	$\log \frac{5}{3}$	log 15√
10	$3^4 = 81$ in logarithmic form is:	$\log_3 4 = 81$	$\log_4 3 = 81$	$\log_3 81 = 4\checkmark$	$\log_4 81 = 3$

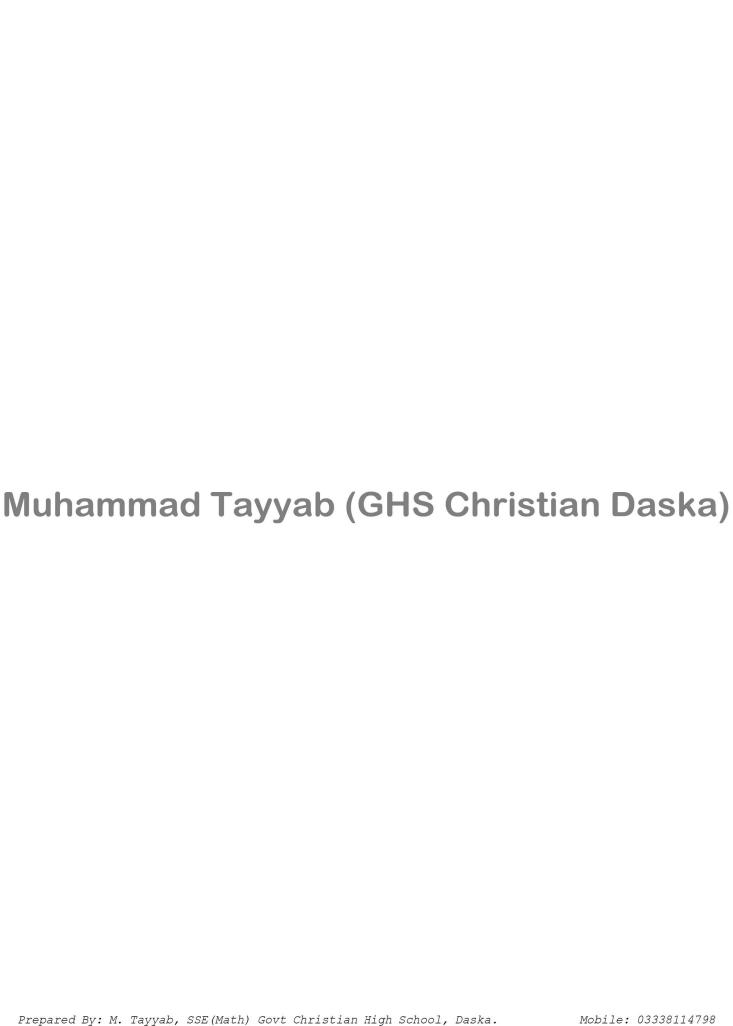
Solution of MCQs

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2	$0.00034 = 3.4 \times 10^{-4}$			
3	Common log base $=10$			
	$\log_2 2^3 = ?$			
4	$\log_2 2^3 = 3\log_2 2$			
1	= 3(1)			
	= 3			
	log 100 =?			
	$\log 100 = \log 10^2$			
5	$=2\log 10$			
	=2(1)			
	= 2			
	$\log 200 = ?$			
_	$\log 200 = \log 2 \times 100$			
6	$= \log 2 + \log 100$			
	= 0.3010 + 2			
	= 2.3010			
7	$\log(0)$ is undefined			
	log 10,000 =?			
	$\log 10,000 = \log 10^4$			
8	$=4\log 10$			
	=4(1)			
1300	= 4			
9	$\log 5 + \log 3 = \log 15$			
10	$3^4 = 81 \Longrightarrow \log_3 81 = 4$			

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