

# ERRATA

## CD on MCQs on Quantitative Aptitude: CPT

The errors observed in the CD have been rectified and specified in bold as below:

Questions	Option1	Option 2	Option 3	Option 4	Answer
If $f(x) = 1 / (1-x)$ then $f$ inverse $(x)$ is	<b>1-x</b>	$x-(1/x)$	$x / (x-1)$	none	A
<b>The value of limit <math>(\log 1/3x</math> when <math>x</math> tends to 3) is</b>	1 / 3	<b>0</b>	1	3	B
The points of discontinuity of the function $(x^2 + 2x + 5) / (x^2 - 3x + 2)$ is	$x = 1$ and $x = 2$	<b><math>x = 2</math> and <math>x = 3</math></b>	$x = 1$ and $x = 1$	none	A
The derivative of $x^3 / 2 (x > 0)$ is	2 ( square root of $x$ ) / 3	<b><math>3(x^2) / 2</math></b>	$2x^5 / 2 / 5$	5 ( $x$ to the power 5 / 2) / 2	B
<b>If <math>\log_a 324 = 3\sqrt{2}</math>, then <math>a</math> is</b>	2	3	4	1	C
If $f(x) = 2x^3 - 9x^2 + 12x + 5$ , then 1st order derivative of $f(x)$ equal to zero implies	$x = 1$ and $x = 2$	<b><math>x = 2</math> and <math>x = 3</math></b>	$x = 1$ and $x = 1$	$x = 2$ and $x = 2$	A
The cumulative frequency is $3N / 4$ corresponding to	first quartile	upper quartile	<b>second quartile</b>	none	B
In median , the distribution has ----- ----- Classes.	Open end	close end	<b>both</b>	none	C
Correction factor helps to know the value of	range	mean	standard deviation	<b>none</b>	D
<b>Quartile deviation = Probable error of ---</b>	standard deviation	mean deviation	quartile deviation	none	A
The Binomial distribution is asymmetrical when $p$	equal to 0.5	less than 0.5	greater than 0.5	<b>none</b>	D
The roots of $ax^2 + bx + c = 0$ , are determined from	$b^2 > 4ac$	$b^2 = 4ac$	$b^2 < 4ac$	<b>none</b>	D

**THE STUDENTS SHOULD IGNORE THE FOLLOWING QUESTIONS:-**

Questions	Option1	Option 2	Option 3	Option 4	Answer
If $f(x) = (\log e^x + e^x \log x)$ then 1st order derivative of $f(x)$ is	1	2	3	4	B
$(\frac{1}{2}x^4)^2 =$	2 to the power 5 / 2	2 to the power 3 / 2	2 to the power 1 / 2	none	A
$\frac{p}{x^m}$ If $(\frac{p}{x^m})' =$ $(\frac{p}{x^m})'$	m	p	mp	none	A
Solution set is called	true set	truth set	Both	None	B

**THE STUDENTS SHOULD REPLACE THEM WITH THE FOLLOWING QUESTIONS:-**

Questions	Option1	Option 2	Option 3	Option 4	Answer
If $f(x) = \log_{10}x$ , this is same as	$\log_x 10$	$\log_e x / \log_e 10$	$\log_e 10 / \log_e x$	none	B
Probability mass function $f(x)$ is used when $x$ is a	Continuous variable	Discrete variable	Separable variable	none	B
The derivative of $8x^2 - 2x + 5$ is	$16x + 2$	$16x - 2$	$16x + 5$	$16x + 7$	B
The null set is given by	$\emptyset$	$\{\emptyset\}$	$\{0\}$	0	A