	3. How do you define total effective error in a measured quantity?		
	Effective Error = Statistical Error + Total Fractional Error in the measured quantity		
	Effective Error = Statistical Error + Systematic Error + Random Error		
	Effective Error = Statistical Error + Systematic Error + Random Error + Blunder		
	Other:		
	Clear selection		
	4. How many significant figures following numbers have: 0.00001511, 0.00001395, 0.001241, 0.00000006152?		
	respectively, 9, 8, 6, and 11 significant figures.		
	respectively, 10, 9, 7, and 12 significant figures.		
	all numbers have 4 significant figures.		
	Significant figure in these numbers can't be calculated.		
	Clear selection		
	5. Given a 100 cm scale, you are asked to measure area of a table which has length = 70 cm and width = 35 . You come up with length = 68 cm and width = 34 cm. What will be the percent relative error in the area?		
	2.85 %		
	0.0562 %		
	11.26 %		
	5.63 %		
<u>:</u>	Clear selection		

6. Assume a quantity 'y' is related as $y = x.t^2$. The quantity 'x' and 't' have percer relative errors = 3.5 % and 1.3 %, respectively. What will be the resultant error in quantity 'y'.			
	O 2.2 %		
	O 4.8 %		
	4.55 %		
	9.6 %		
	Clear selection		
	7. For a continuous random variable x, the probability distribution function f(x) represents,		
	Probability at a given value of x		
	Area under the curve to the right of x		
	the height of the function at $x = 50 \%$ of trials.		
	the area under the curve at x		
	Clear selection		
	8. Which of the following is not correct for Binomial distribution ?		
	is a sequence of n identical trials		
	• the probabilities of success (1) or a failure (0) may change from one trial to the next		
	each outcome is referred to as a success (1) or a failure (0)		
	the trials are independent		
	Clear selection		

9. In a high end micro-electronics industry, the manufacturer is interested to identify a chip with some defects occurring in each 1 million chips. In this case, which probably distribution has a great chance of applying?
Gaussian distribution
O Uniform distribution
O Binomial distribution
Poisson distribution
Clear selection
 10. In a huge collection of marbles, 7% of the marbles have been found to display white defect inside them. If one randomly / unknowingly pick marbles from this collection until s(he) gets 20 marbles with white defect. What will be the probability of success? 0.93 0.14 0.07
Other:
Clear selection

equals to the full-width at the half maxima equal to zero
O myseter then Toro
greater than zero
less than zero
Clear selection
12. In polynomial regression one can draw nth order polynomial for n+1 data points. Imagine a case where n = 1, what will be outcome of the regression?
o not possible to draw such a function
it will be a spline
it will represent linear regression
it will be 1/2 of a polynomial function at the highest value
Clear selection
13. A set of 118 data points spread over x,y coordinate system is best fitted using a second order polynomial of type $y = 3x^2 + 1.5x + 1$, what will be the value of y at 2?
O 9
O 12
O 15
16
Clear selection

14. The residual percentage error in an approximate solution using regression is found to be 0.009%, suggest the number of signific highest order of confidence.					
O 4					
○ 3					
5					
O 2					
	Clear selection				
 15. In Newton's divided-difference interpolation, how one can import of interpolation? by implementing multiple-linear interpolation by creating larger intervals between the data points by creating smaller intervals between the data points by the spline interpolation 	Clear selection				
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