TALEEMI DUNYA

Test Syllabus: Unit # 1

St. Name		Test	physics	T. Marks	30	Time	60 Min
F. Name		Class	11th	T. Code	U#1	T. Date	

NOTE: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that Question with Marker or Pen ink. Cutting or filling two or more circles will result in zero mark in that question.**6.**

1	Mass is a quantity						
(a)	Derived	(b)	Base	(c)	Derived and base	(d)	None of these
2	Supplementary units are						
(a)	2	(b)	3	(c)	4	(d)	None of these
3	Which of the following is derived unit?						
(a)	Newton	(b)	Meter	(c)	Candela	(d)	Mole
4	Unit used for the factor $\sqrt{l}/g$						
(a)	Seconds	(b)	Kilogram	(c)	Meter	(d)	Radian
5	Physical quantity "pressure" in form of base unit						
(a)	$Kg^{-1}ms^{-2}$	(b)	Kg^2ms^{-3}	(c)	Kg^2ms^2	(d)	$Kgms^{-1-2}$
6	The prefix pico is equal to						
(a)	10^{-12}	(b)	10^{-15}	(c)	10^{-9}	(d)	10^{12}

Q.2 Write short answers of the following questions. (8x2=16)

1. Write the dimensions of 1.Pressure 2.Density	**2.** Write a definition of significant figures.
3. Define physical quantity	**4.** Define nuclear physics and particle physics.
5. Write a definition of physics.	**6.** Write a different between random error and systematic error.
7. Does a dimensioned analysis give any information on constant of proportionality that may appear in an algebraic expression? Explain	**8.** What is scientific notation?

NOTE: Attempt the long questions. (4+4=8)

3(a) Write a dimension of physical quantity?

(b) What are the dimensions and units of gravitational constant G in the formula
$F = Gm_1m_2/r^2$