

Test Jot Series

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Student Name:			Class:	9th
Paper Type:	Chapter#1		Subject:	Physics (SNC)
Paper Time:	1 Hour		Maximum Marks:	30

Q1. Choose the correct option. (6X1=6)

1. Which one is non-physical quantity?

(A) Distance	(B) Density	(C) Colour	(D) Temperature
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2. Speed is a derived quantity which depends upon:

(A) Distance and time	(B) Length and mass	(C) Length and Time	(D) Mass and time
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3. A light year is a unit of:

(A) Light	(B) Time	(C) Distance	(D) Speed
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4. The international committee on weights and measures recommended in:

(A) 1962	(B) 1961	(C) 1963	(D) 1964
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5. The unit of volume is:

(A) Meter	(B) Force	(C) Cubic meter	(D) Second
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6. The length of Vernier Scale is:

(A) 9mm	(B) 10mm	(C) 2cm	(D) 10cm
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Q2. Write down short answers of following questions. (7X2=14)

[i] Define Derived quantities with example.	[ii] Define Vernier Calipers. How it is used?
[iii] How to use mechanical stopwatch?	[iv] What is meant by systematic error?
[v] How random error can be reduced?	[vi] Difference between precision and accuracy.
[vii] Write a use and accuracy of atomic clock.	

Q3. Write detailed answers of the following questions.(Answer any 2) (2X5=10)

1. What is scientific notation? Describe the method to write numbers in scientific notation.

2. Identity and explain the reasons for human errors, random errors and systematic errors in experiments.

3. Explain precision and accuracy. On which factors accuracy in measurement a physical quantity depends?