

Test Jot Series

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Student Name:			Class:	9th
Paper Type:	Chapter#2		Subject:	Physics (SNC)
Paper Time:	1 Hour		Maximum Marks:	30

Q1. Choose the correct option.

(6X1=6)

1. is a vector quantity.

(A) Displacement	(B) Mass	(C) Time	(D) Length
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2. The motion of an object is described by its:

(A) Speed	(B) Velocity	(C) Acceleration	(D) Distance
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3. The motion of an object along a circular path is called:

(A) Circular motion	(B) Random motion	(C) Translatory motion	(D) Rotatory motion
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4. A body accelerates from rest to velocity of 144km h^{-1} in 20 seconds. The distance covered by it is:

(A) 100m	(B) 400m	(C) 1400m	(D) 1440m
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5. The formula of distance is:

(A) $d=vt$	(B) $s=vt$	(C) $d=vt$	(D) $d=vt^2$
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6. The speed of cheetah is:

(A) 30kmh^{-1}	(B) 20kmh^{-1}	(C) 70kmh^{-1}	(D) 90kmh^{-1}
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Q2. Write down short answers of following questions.

(7X2=14)

[i] Differentiate between kinematics and dynamics.	[ii] Define scalar quantity with example.
	[iii] Define circular motion. Give an example.
[iv] What is the speed of falcon and cheetah?	[v] What is distance-time graph?
[vi] What does the gradient of a speed-time graph represent?	[vii] What does the area under a speed-time graph represent?

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

(2X5=10)

1. How a vector can be represented graphically? Explain.
2. Explain the difference between translatory motion and rotatory motion? Give two examples of each type of motion.
3. A car is moving with an average speed of 72kmh^{-1} . How much time will it take to cover a distance of 360km? (Numerical Problem)