

CLASS-9TH SCIENCE MCQ QUESTIONS

CHAPTER-7

question 1 - which is not a vector quantity?

(a) - acceleration

(b)- velocity

(c)- charge

(d)- displacement

Answer - (c) - charge

question 2-The rate of change in distance is called:

(a) - acceleration

(b)- velocity

(c)- speed

(d)- all the above

Answer-(b)- velocity

question 3-The rate of change in displacement is called :

(a)- acceleration

(b)- velocity

(c)- speed

(d)- all the above

Answer - (d)- all the above

question 4- The rate of change in velocity is called :

(a)- acceleration

(b)- velocity

(c)-speed

(d)- all the above

Answer- (b)- velocity

question 5- incorrect statement is:

(a)- displacement can be equal to distance

(b)- for moving objects displacement can be zero

(c)- for moving objects displacement can be zero

(d)- all the above

Answer- (a)- displacement can be equal to distance

question 6- The distance-time graph is parallel to time- axis , it shows :

(a)- accelerated motion of the object

(b)- stationary position of the object

(c)- uniform motion of the object

(d) - non- uniform motion of the object

Answer - (c) uniform motion of the object

question 7-The velocity- time graph is parallel to time-axis, it shows :

(a)- accelerated motion of the object

(b)- stationary position of the object

(c)- uniform motion of the object

(d)- non- uniform motion of the object

Answer(b) - stationary position of the object

Question - 8 - M/S is the S. I unit OF

(a) - acceleration

(b) - velocity

(c) - distance

(d) - displacement

Answer - (velocity)

Question - 9 - M/S^2 is the S . I unit of

(a) - acceleration

(b) - velocity

(c) - distance

(d) - displacement

Answer - (a) - acceleration

Question - 10 - The slop of time-time graph shows

(a) - acceleration

(b) - velocity

(c) - speed

(d) - displacement

Answer - (c) - speed

Question - 11 - The slop of velocity-time graph shows

(a) - acceleration

(b) - velocity

(c) - speed

(d) - displacement

Answer - (a) - acceleration

Question - 12 - The velocity-time graph in the form of straight line sloping downwards, shows

(a) - accelerated motion

(b) - uniform motion

(c) - constant motion

(d) - retarded motion

Answer - (d) - retarded motion

Question - 13 - uniform circular motion is

(a) - accelerated motion

(b) - motion with uniform acceleration

(c) - motion with uniform retardation

(d) - none of the above

Answer - (a) - accelerated motion

Question - 14 - a cyclist is moving with a speed of 18km/h his speed is

(a) - 10 m/s

(b) - 7.5 m/s

(c) - 5.0 m/s

(d) - 2 m/s

Answer (c) - 5.0 m/s

Question - 15 - for a moving object ratio of displacement to distance is

(a) - always more than 1

(b) - equal or less than 1

(c) - always less than 1

(d) - always equal to 1

Answer - (b) - equal or less than 1

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