MONTH- DECEMBER-2013
SESSION-12-14/Elect/Fitter
SUBJECT-W/s Sc
Q1. The rate of change of velocity is called $\qquad$ .
Q2. Speed is a vector or scalar and why?
Q3.

|  | A | (A) 0.02 to $0.1 \%$ |
| :--- | :--- | :--- |
| (i) | Carbon | (B) 0.02 to $0.4 \%$ |
| (ii) | Silicon | (C) 0.02 to $0.03 \%$ |
| (iii) | Manganese | (D) 0.01 to $0.2 \%$ |
| (iv) | Sculpture |  |

Q4.
(i) $\frac{\mathrm{A}}{\text { Drawn into wires }}$
(A) Tenacity
(ii) To withstand shock or impact
(B) Brittleness
(iii) Ability to resist the effect of tensile force without rupturing (C) Toughness
(iv) Easy to break into pieces
(D) ductility

Q5. Momentum = Mass X $\qquad$ .
(A) Acceleration
(B) Velocity
(C) Speed
(D) Displacement

Q6. $S=u t+1 / 2 x$ $\qquad$ .
(C) $a t^{2} \quad$ (D) $u t^{2}$

Q7. Write the second low of Newton.
Q8. Prove that $v^{2}-u^{2}=2 a s$ ?

## NOUSIS ITC,BHUBANESWAR

## MONTH- DECEMBER-2013 SUBJECT-W/s Sc

## SESSION-12-14/Elect/Fitter <br> FULLMARK-10

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(a) Acceleration
(B) Velocity
(C) Speed
(D) Displacement

Q6. $S=u t+1 / 2 x$ $\qquad$ .
(a) At
(b) $a / t$
(c) $a t^{2}$
(d) $\mathrm{ut}^{2}$

Q7. Write the second low of Newton.
Q8. Prove that $v^{2}-u^{2}=2 a s$ ?

