Marks: 65

Time : 20 min　　　SECTION – A　　　Marks: 12

Q.1 Choose the correct answer from four possible answers (A,B,C,D) and fill the correct answer on MCQ's sheet separately.

i) Force needed to produce an acceleration of $20 ms^{-2}$ in a ball of mass 0.5 kg is _____

A) **10N**　　B) 15N　　C) 25N　　D) 100N

ii) Colck wise torque is taken as _____

A) Zero　　B) 1　　C) Positive　　D) **Negative**

iii) The rate of doing work is called _____

A) Work　　　　　　B) Energy

C) Horse power　　　　D) **Power**

iv) The transfer of heat by convection occurs easily in _____

A) Gases　　B) **Liquids**　　C) Solids　　D) None

v) One horse-power is equal to _____

A) 476W　　B) 674W　　C) **746W**　　D) 552W

vi) The energy possessed by a body due to its motion is called _____ energy.

A) Solar　　B) Heat　　C) Potential　　D) **Kinetic**

vii) The unit used for pressure in weather map is _____

A) Pascal　　B) Atm　　C) **Bar**　　D) N/m^2

viii) The boiling point of water on Kelvin Scale is _____

A) 100K　　B) **373K**　　C) 430K　　D) 273K

ix) Straight distance between two points is called _____

A) Distance　　　　　B) Displacement

C) **Length**　　　　　D) Motion

x) The famous book "Kitab-ul-Manazir" was written by;

A) **Ibnal Haitham**　　B) Yaqub Kindi

C) Al-Beruni　　　　　D) Abdul Qadeer Khan

xi) The S.I unit of resistance is _____

A) Newton　　B) Farad　　C) **Ohm**　　D) Joule

xii) Which of the following is a vector quantity?

A) Power　　B) **Weight**　　C) Speed　　D) Volume