DIK-SSC-IX-2018(I)

Physics (9th)

(Fresh/Reappeared)

Marks: 65

Time : 20 min **SECTION – A** **Marks: 12**

Q.1 Choose the correct option and fill in empty box, given against each statement:

i) In second condition of equilibrium _____

A) $\Sigma \vec{P} = 0$ B) $\Sigma \vec{W} = 0$ C) $\Sigma \vec{F} = 0$ D) **$\Sigma \vec{T} = 0$**

ii) 1 Joule per 1 second is equal to _____

A) 1 Newton B) Zero

C) **1 Watt** D) 1 Pascal

iii) The pull of gravity on an object is called_____

A) **Weight** B) Density

C) Mass D) Momentum

iv) The unit for pressure used in weather maps is_____

A) Watt B) Pascal

C) Candela D) **Milli bar**

v) The value of "g" at the center of earth is called _____

A) 1/4 g B) **Maximum**

C) 1/2g D) Zero

vi) The day time temperature on Uranus is_____

A) 0^0C B) 216^0C C) 100^0C D) **-216^0C**

vii) The famous book on optics "Kitabul Manazir was written by____

A) Al-Beruni B) Yaqub Al Kindi

C) **Ibnul Haitham** D) I.Newton

viii) The unit of strain is:

A) Joule B) **No unit** C) Nm^{-2} D) Nm^2

ix) The rate of change of velocity is called_____

A) Speed B) Distance

C) **Acceleration** D) Displacemennt

x) The value of Thermal conductivity of silver is_____JK^{-1}. M^{-1} S^{-1}

A) 105 B) 240 C) 430 D) **400**

xi) The matter of our sun is in_____ state.

A) Solid B) Liquid C) **Gas** D) Plasma

xii) The average speed of a bus is $20m.s^{-1}$. How far can it travel in 10 sec?

A) 200 m B) 20 m C) **2 m** D) 200 m

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