

3. The volume of the flowing liquid in a tube per second is:

- a- $V = \pi P x^4 / 8 \mu L$
- b- $V = \pi P r^4 / 8 \mu L$
- c- $V = \pi P (r^2 - x^2) / 8 \mu L$
- d- $V = P (r^2 - x^2) / 4 \mu L$

4. In CGS-system of units, the unit of viscosity is:

- a- $\text{Kg.m}^{-1}.\text{sec}^{-1}$
- b- $\text{Gm.cm}^{-1}.\text{sec}^{-1}$
- c- MLT^{-1}
- d- $\text{ML}^{-1}\text{T}^{-1}$

5. The square's velocity of simple harmonic motion is equal to:

- a- $\omega^2 A \cos \omega t$
- b- $\omega A^2 \cos \omega t$
- c- $\omega^2 A^2 (1 - \sin^2 \omega t)$
- d- $\omega A \sqrt{A^2 - Y^2}$.

6. Radiation is classifying to:

- a- Ionizing radiation
- b- Non ionizing radiation
- c- Ionizing and non ionizing radiation.

7. X-rays considered as:

- a- Particles
- b- Photons
- c- Phonons

8. X-rays for the naked eyes:

- a- Visible
- b- Invisible
- c- Dark.

9. If Power = work / time, the dimensions of power is:

- a- ML^2T^{-3}
- b- MLT^{-1}
- c- MLT^{-3}

10. Clinical thermometer reads fromto.....:

- a- $38^\circ\text{C} - 44^\circ\text{C}$
- b- $35^\circ\text{C} - 42^\circ\text{C}$
- c- $36^\circ\text{C} - 42^\circ\text{C}$.