

NAT I Medical Physics

Sr	Questions	Answers Choice
1	Ball pen function on the principle of	A. Viscosity B. Boyle's law C. Gravitational force D. Surface tension
2	A person standing near the track of a fast moving train has tendency to fall towards it because of	A. Vibration due to motion of train B. Gravitation force of attraction between person and trains C. The high speed of train D. Some other effect
3	Surface tension of water is due to	A. Inter molecular attraction B. Intermolecular spaces C. Inter molecular repulsion D. None of above
4	Bernoulli's equation is based upon law of conservation	A. Mass B. Momentum C. Energy D. None of these
5	The terminal velocity of a small size spherical body of radius R moving in a fluid varies as	A. R B. $R^{>2}$ C. $1/R$ D. $(1/R)^{>2}$
6	The velocity of falling raindrops attains limited value because of	A. Up thrust of air B. Viscous force exerted by air C. Surface tension effect D. Air currents atmosphere
7	A person standing on a rotating platform has his hands lowered. He suddenly outstretches his arms. The angular momentum	A. Becomes zero B. Increases C. Decreases D. Remains the same
8	What will be the duration of the day and night (in hour) if the diameter of the earth is suddenly reduced to half its original value the mass remaining constant?	A. 12 B. 6 C. 3 D. 2