



PRESTON INSTITUTE OF NANO SCIENCE AND TECHNOLOGY (PINSAT)

Sample Test

(For Admission to BS (4yr) Degree in Nanoscience & Technology)

➤ Check [✓] the correct answer

(Chemistry)

- The nature of bond in HCl is
 a) Covalent. b) Coordinate covalent. c) Ionic. d) Non polar
- Chemical formula of caustic soda is:
 a) $MgCO_3$ b) NaOH c) Na_2CO_3 d) K_2CO_3

(Physics)

- The SI unit of force is
 a) Nm/s. b) Kg m/s c) $Kg\ m/s^2$ d) N/s
- One of the following is not a vector quantity
 a) Velocity b) Pressure c) Force d) Momentum

(English)

- You are afraid _____ snakes
 a) from b) off c) for d) of
- I _____ to him about the weather
 a) speaks b) spoke c) spoken d) speaking

(General Knowledge)

- Nepal is situated in the continent of
 a) Africa b) Asia c) Europe
- The father of Emperor Jehangir was
 a) Humayun b) Akbar c) Shah Jahan d) Aurangzeb

(Biology)

- The study of plants is called
 a) Botany b) Zoology c) Microbiology d) Cell biology
- Malaria is caused by
 a) Bacteria b) Viruses c) Mosquito d) Plasmodium

(Mathematics)

- Derivative of $\cos x$
 a) $\sin x$ b) $-\sin x$ c) $\tan x$ d) $\sec^2 x$
- $1 + \tan^2 x$ is equal to
 a) $\sin^2 x$ b) $\cos^2 x$ c) $\sec^2 x$ d) \cot^2
