

# Admission Exam

## Science Practice Questions

- ❖ Questions in this document represent a sample of the admission exam questions.
- ❖ All questions are designed such that calculators are not needed.
- ❖ Answers to the sample questions are provided on the last page of this document.

1. Which one of following represents velocity?
  - a. 5 m/s
  - b. 2 m/s east
  - c. 5 m/s<sup>2</sup>
  - d. 2 m/s<sup>2</sup> east
  
2. What is the SI unit of speed?
  - a. m/s
  - b. km/h
  - c. mile/h
  - d. m/min
  
3. A car moved 20 meters in 4 seconds. What is the average speed of the car?
  - a. 0.2 m/s
  - b. 5 m/s
  - c. 16 m/s
  - d. 80 m/s
  
4. If an ion has a charge of 2+, it means that the original atom has \_\_\_\_\_.
  - a. gained 2 protons
  - b. gained 2 neutrons
  - c. gained 2 electrons
  - d. lost 2 electrons
  
5. Which one of the following indicates a chemical change?
  - a. Formation of a gas
  - b. Formation of precipitate
  - c. Energy release
  - d. All of the above
  
6. Which one of the following is an example of a physical change?
  - a. Melting ice
  - b. Burning wood
  - c. Rusting of iron
  - d. Decomposition of food

7. Which one of the following chemical formulas represents Nitrogen Dioxide
- $N_2O$
  - $(NO)_2$
  - $N_2O_2$
  - $NO_2$
8. Oil and water mixed together is an example of a(n) \_\_\_\_\_.
- pure substance
  - compound
  - element
  - mixture
9. Force is expressed in \_\_\_\_\_.
- Kg
  - N
  - J
  - V
10. What is the value of the gravitational acceleration during free fall?
- $0.98 \text{ m/s}^2$
  - $98 \text{ m/s}^2$
  - $9.8 \text{ m/s}^2$
  - $8.9 \text{ m/s}^2$

## ANSWERS

Question	1	2	3	4	5
Answer	<b>b</b>	<b>a</b>	<b>b</b>	<b>d</b>	<b>d</b>

Question	6	7	8	9	10
Answer	<b>a</b>	<b>d</b>	<b>d</b>	<b>b</b>	<b>c</b>