

Unit 9

Nature of Science

| Sr. No. | Questions   | A                          | B                        | C                                  | D                     |
|---------|---|----------------------------|--------------------------|------------------------------------|-----------------------|
| 1       | Physics is a branch of:   | Social science             | Life science             | Physical science✓                  | Biological science    |
| 2       | Which branch of science plays vital role in technology and engineering?                           | Biology                    | Chemistry                | Geology                            | Physics✓              |
| 3       | Automobile technology is based on:  | acoustics                  | electromagnetism         | optics                             | thermodynamics✓       |
| 4       | A user friendly software application of smart phone use:  | laser technology           | information technology✓  | medical technology                 | electronic technology |
| 5       | The working of refrigeration and air conditioning involves:                                       | electromagnetism           | mechanics                | climate science                    | thermodynamics✓       |
| 6       | What is the ultimate truth of a scientific method?  | Hypothesis                 | Experimentation          | Theory                             | Law✓                  |
| 7       | The statement "If I do not study for this test, then I will not get good grade" is an example of: | theory                     | observation              | prediction✓                        | law                   |
| 8       | Which of the following are methods of investigation?  | Observation                | Experimentation          | Research                           | All of these✓         |
| 9       | A hypothesis:   | may or may not be testable | is supported by evidence | is a possible answer to a question | all of these✓         |
| 10      | A graph of an organized data is an example of:  | collecting data            | forming a hypothesis     | asking question                    | analyzing data✓       |
| 11      | The colour of a door is brown. It is an example of:   | observation✓               | hypothesis               | prediction                         | law                   |