

**SECTION-2**  
**CHAPTER-3**

**2.3 DENTAL MATERIALS**

**2.3.1.a: Aim:**

To understand the evolution and development of science of dental material.

- Emphasis the purpose of course in dental materials to students of faculty of dentistry.
- To impart knowledge of biological, physical and chemical properties of dental materials along with biomechanical requirement of particular restorative procedure.
- To know the standards or specifications of various materials to guide the manufacturers as well as help professionals.
- Search of newer and better materials for research orientation.
- To understand and evaluate the claims made by manufactures of dental materials

**2.3.1.b: Objectives:**

**i) Knowledge:**

The graduate should acquire the adequate knowledge of science on which Dental materials are based and good understanding of various properties, composition, uses, advantages & disadvantages of these materials

Adequate knowledge of physical, biological & biomechanical properties of Dental materials.

**ii) Skills:**

A graduate should able to demonstrate the following skill necessary for the practice of dentistry.

- Able to select the best materials for each dental restorative procedure.
- Able to manipulate each dental material.
- Able to use these materials for various dental procedures in best possible way.

**iii) Attitude:**

- A graduate should develop following attitudes during the training period:
- Selection of better and appropriate materials using acquired knowledge of dental materials & restorative dentistry.
- To follow professional ethics and conduct its application in all aspect of professional life.
- Participate in CDE programme to updates the knowledge and professional skill.

**2.3.1. c Outcomes:**

To be able to use the dental materials in clinical dentistry to the best of their potential.