

285

**MDS[Periodontology]**  
BE/2007/11

**Basic & Allied Sciences**  
[Paper-I]

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Discuss the current concept of Inflammation.
  
  2. **Describe in brief:**
    - a. Importance of epithelium in periodontics.
    - b. Biosynthesis of Collagen.
  
  3. **Write notes on:**
    - a. Cells of the periodontal ligament.
    - b. Importance of attached Gingiva.
-

**MDS[Periodontology]**  
BF/2007/11

**Epidemiology, Etiology, Pathology and Oral Medicine**  
[Paper-II]

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Discuss the impact of systemic health on periodontal disease.
  
  2. **Write notes on:**
    - a. Risk factors for periodontal diseases.
    - b. Periodontal pocket is a healing lesion - Discuss.
  
  3. **Discuss in brief:**
    - a. Matrix Metalloproteinases[MMPs] and their role in periodontal diseases.
    - b. Important epidemiological studies related to periodontal diseases, in different parts of India.
-

287

**MDS[Periodontology]**  
BF/2007/11

**Diagnosis, Prognosis, Therapy, Oral implantology  
and Preventive**  
[Paper-III]

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Discuss the advanced diagnostic aids.
  
  2. **Discuss:**
    - a. Enamel matrix derivative.
    - b. Periodontitis verses Perioimplantitis.
  
  3. **Write notes on:**
    - a. Types of Collagen.
    - b. Biochemistry of Cementum.
-

288

**MDS[Periodontology]**  
BF/2007/11

**Essay**  
**[Paper-IV]**

**Time : 3 Hours**

**Write an essay on any ONE of the following:**

Emerging trends in Oral Care.

**OR**

Lasers in Periodontics.

-----

289

**MDS[Conservative Dentistry]**  
BF/2007/11

**Basic & Allied Sciences**  
[Paper-I]

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Discuss age changes in Maxilla and mandible & its correlations with the dental treatments?
  2. Discuss role of diet and nutrition on development of teeth?
  3. Write critically about
    - a. Smear layer.
    - b. Pulp stones.
    - c. Fluorosis.
-

**MDS[Conservative Dentistry]**  
BF/2007/11

**Operative Dentistry**  
[Paper-II]

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Critically evaluate dimensional stability of various restorative materials.
  
  2. **Write short notes on:**
    - i) Pressable Ceramics.
    - ii) Recent trends in Caries detection.
  
  3. **Write short notes on:**
    - i) Current status of Dental Amalgam
    - ii) Self etching Primers.
-

291

**MDS[Conservative Dentistry]**  
BF/2007/11

**Endodontics**  
[Paper-III]

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Discuss the scope and limitations of bacteriological evaluation and intracanal medication in the field of endodontics.
  
  2.
    - a. Principles in managing the emergencies in the field of endodontics.
    - b. Write in brief about the newer trends in root canal instrumentation.
  
  3.
    - a. Justify the importance of radiographs in endodontics.
    - b. Discuss the philosophy of root canal obturation.
-

292

**MDS[Conservative Dentistry]**  
BF/2007/11

**Essay**  
[Paper-IV]

**Time : 3 Hours**

**Write an essay on:**

1. Dental caries is not a lesion - it is a disease and contemporary approaches to carious management.

**OR**

2. Effective strategies for management of endodontic pain.

**OR**

3. Issues that determine tooth retention Versus replacement.

-----