

[LI 388]

JUNE 2016

Sub. Code: 2451

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

BRANCH I – PROSTHODONTICS AND CROWN & BRIDGE

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Discuss in detail polymers and their applications in prosthetic dentistry.

II. Short Essays: (6 x 10 = 60)

1. Congenital and developmental defects of teeth.
2. Saliva and artificial saliva.
3. Geriatric nutrition.
4. Stem cells.
5. Nano ceramics.
6. Calcium metabolism.

[LJ 388]

OCTOBER 2016

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PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Write in detail about implant biomaterials used in dentistry.

II. Short Essays: **(6 x 10 = 60)**

1. Noble metal alloys.
2. Traumatic occlusion.
3. Induction casting.
4. Zirconia ceramic.
5. Micro anatomy of the bone.
6. Oral mucosa.

[LK 388]

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Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Finishing and polishing agents – methods and their importance in Prosthodontics.

II. Short Essays: **(6 x 10 = 60)**

1. Mechanism of deglutition.
2. Role of Sialagogues and anti sialagogues in Prosthodontics.
3. Development of palate and note on cleft palate.
4. Disinfection of impressions.
5. Alloys for metal ceramic restorations.
6. Management of patients with Diabetes Mellitus.

[LL 388]

OCTOBER 2017

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Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Describe the anatomy of the Temporomandibular joint and mention its prosthodontic considerations.

II. Short Essays: **(6 x 10 = 60)**

1. Development of palate and its anomalies.
2. Physiology of saliva and its role in Prosthodontics.
3. Deglutition phases.
4. Chemical mediators of inflammation.
5. Phosphate Bonded investment materials.
6. Abrasives and polishing agents for prosthesis.

[LM 388]

MAY 2018

Sub. Code: 2451

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

BRANCH I – PROSTHODONTICS AND CROWN & BRIDGE

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Casting in dentistry – note on casting defects.

II. Short Essays: (6 x 10 = 60)

1. Muscles of the tongue – its role in prosthodontic treatment.
2. Control of cross infection in prosthodontics.
3. Role of adhesives in maxillofacial prosthodontics.
4. Precancerous conditions and their effects on prosthodontic treatment.
5. Saliva and its role in prosthodontics.
6. Healing and repair – role of Vitamin C.

[LN 388]

OCTOBER 2018

Sub. Code: 2451

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(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

BRANCH I – PROSTHODONTICS AND CROWN & BRIDGE

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Write an essay on dental ceramics.

II. Short Essays: (6 x 10 = 60)

1. Anatomy of tongue.
2. Role of saliva in prosthodontics.
3. Residual ridge resorption.
4. Blood groupings.
5. Titanium.
6. Sterilization and disinfection in prosthodontics.

[LO 388]

MAY 2019

Sub. Code: 2451

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

BRANCH I – PROSTHODONTICS AND CROWN & BRIDGE

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Resilient Liners-Types, properties and their applications in Prosthodontics.

II. Short Essays: (6 x 10 = 60)

1. Reinforced polymethyl methacrylate Denture Base Resin.
2. Alloys for Removable Partial Denture Framework.
3. Facial Edema.
4. Selection of dental materials used in prosthodontics.
5. Extra cranial course of Facial Nerve and its Clinical significance.
6. Infection Control in Prosthodontics.

[LP 388]

OCTOBER 2019

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**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Discuss the Anatomy of Alveololingual Sulcus and its Clinical significance in Prosthodontics.

II. Short Essays: (6 x 10 = 60)

1. Ideal die materials used in Prosthodontics.
2. Management of Bleeding disorders in Prosthodontics.
3. Types and Oro Dental manifestation of Ectodermal Dysplasia.
4. Role of nutrients in Geriatric Oral Health care.
5. Denture adhesive components and its effects and ill effects.
6. Role of Plasma rich Fibrin in Prosthodontics.

[LQ 388]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 2451

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

BRANCH I – PROSTHODONTICS AND CROWN & BRIDGE

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Describe the role of masticatory muscles and tongue in prosthodontics.

II. Short Essays: (6 x 10 = 60)

1. Tissue conditioners.
2. Phagocytosis.
3. Tarnish and corrosion.
4. Wharton's duct.
5. Physiology of taste sensation.
6. Gypsum Products.

[MDS 0721]

JULY 2021
(MAY 2021 SESSION)

Sub. Code: 2451

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(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

BRANCH I – PROSTHODONTICS AND CROWN & BRIDGE

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY AND DENTAL MATERIALS**

Q.P. Code: 242451

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Describe the muscles of mastication and facial expression and their functional significance in denture service.

II. Short Essays: **(6 x 10 = 60)**

1. Colour and its role in Prosthodontics.
2. Infection Control and Hospital waste management.
3. Narrate the pathway of pain from the tooth pulp.
4. Mention the role of Vitamin – C and Vitamin – D.
5. Local Anesthesia in Prosthodontics.
6. Stem Cells.
