

FOURTH YEAR B.D.S. DEGREE EXAM
(Common to Final Year Paper III - Modified Regulation III and
Final Year Paper II - New Modified Regulation Candidates)

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Pulpotomy. Write the classification, indications, contra-indications for pulpotomy. Discuss calcium hydroxide pulpotomy in detail.
2. Define and classify space Regainers. Write in detail about any two space Regainers.

II. Write Notes on: **(10 x 5 = 50)**

1. Vitality test.
2. Bitewing radiographs.
3. Pit and fissure sealants.
4. Pedodontic treatment triangle.
5. Psychic triad.
6. Bruxism.
7. Autism.
8. Moyer's mixed dentition analysis.
9. Diet counselling.
10. Window of infectivity.

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PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Early Childhood Caries (ECC). Describe the stages of ECC. Write in detail about the management of ECC.
2. Classify traumatic injuries based on Ellis and Davey. Discuss the management of avulsed permanent central incisor in a 9 year old child.

II. Write Notes on: **(10 x 5 = 50)**

1. Growth curve.
2. Aversive conditioning.
3. Social learning theory.
4. Keyes triad.
5. Ugly duckling stage.
6. Masochistic habits.
7. Down syndrome.
8. Acute necrotising ulcerative gingivitis.
9. Knutson technique.
10. Munchausen syndrome by proxy.

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define space maintainers. What are the indications and contra indications of distal shoe space maintainers? Discuss the space management for a 5 year old child with premature loss of 84.
2. Explain Pediatric Dentistry treatment triangle. Explain the various fundamentals of behavior management. What are the various behavior shaping methods?

II. Write Notes on: **(10 x 5 = 50)**

1. Space regainers.
2. Home.
3. Strip crowns.
4. Preventive resin restoration.
5. Mouth guards.
6. Mineral trioxide aggregate.
7. Gum pads.
8. Sugar substitutes.
9. Management of anterior crossbite in children.
10. Aversive conditioning.

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Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define and classify habit. Discuss about the management of thumb sucking habit.
2. List the various caries preventive measures. Write in detail about pit and fissure sealants.

II. Write Notes on: **(10 x 5 = 50)**

1. Child neglect.
2. Enamel hypoplasia.
3. Glass ionomer cement.
4. Systematic desensitization.
5. Growth curve.
6. Inhalation sedation.
7. Oral screen.
8. Sodium fluoride.
9. Management of children with anterior cross bite.
10. Pulpotomy in young permanent teeth.

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Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define and classify children with special needs. Discuss in detail about management of mentally retarded child in dental office.
2. Enumerate the topical fluorides and write in detail about any two of them.

II. Write Notes on: **(10 x 5 = 50)**

1. Broadbent's phenomenon.
2. Bruxism.
3. Serial extraction.
4. Nitrous oxide – oxygen sedation.
5. Tell-show – do technique.
6. Various isolation techniques in children.
7. Classical conditioning theory by Pavlov.
8. Dunlop beta hypothesis.
9. Types of child abuse.
10. Atraumatic Restorative Treatment.

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Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Child psychology? Write in detail about Psychodynamic Theories.
2. Classify Ellis and Davey's Anterior teeth Fracture. Discuss in detail about the management of Ellis Class III Fracture of an 8-year-old child.

II. Write Notes on: **(10 x 5 = 50)**

1. Rubber Dam.
2. ANUG.
3. Strip Crowns.
4. Self-Correcting Anomalies.
5. Distal Shoe space Maintainer.
6. Mineral Trioxide Aggregate.
7. Knutson Technique.
8. Early Childhood Caries.
9. HOME.
10. Down Syndrome.

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Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define rampant caries. Write about its etiology, clinical features and management.
2. Define and Classify habits. Write in detail about classification, Etiology and Management of thumb sucking habit in children.

II. Write Notes on: **(10 x 5 = 50)**

1. Papillon Lefevre Syndrome.
2. Contingency Management.
3. APF Gel.
4. Early Mesial Shift.
5. Obturating Material used in Primary Teeth.
6. Psychic Triad.
7. Stainless Steel Crown.
8. Hemophilia.
9. Role of Pedodontist in management of cleft lip and palate children.
10. Caries Tetralogy.

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PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define conscious sedation? Write in detail about Nitrous oxide Sedation.
2. Define Behaviour management? Discuss various Non-Pharmacological methods of Behaviour management.

II. Write Notes on: **(10 x 5 = 50)**

1. Pedodontic treatment triangle.
2. Growth Trends.
3. Theories of Eruption.
4. Munchausen syndrome by proxy.
5. ECC.
6. Pit and Fissure Sealants.
7. Fluoride toxicity.
8. Role of pedodontist in child abuse.
9. Autism.
10. Pulpotomy.

[LR 671]

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 4217

**FOURTH YEAR B.D.S. DEGREE EXAM
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PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define Conscious Sedation? Write in detail about Nitrous Oxide Sedation.
2. Define and classify Habits? Discuss in details about Mouth Breathing Habit.

II. Write Notes on: (10 x 5 = 50)

1. Pedodontic Treatment Triangle.
2. Growth Trends.
3. Theories of Eruption.
4. Self-correcting Anomalies.
5. ECC.
6. Pit and Fissure Sealants.
7. Fluoride Toxicity.
8. Role of Pedodontist in Child Abuse.
9. Distal Shoe Space Maintainer.
10. Pulpotomy.

[BDS 0921]

SEPTEMBER 2021
(FEBRUARY 2021 SESSION)

Sub. Code: 4217

FOURTH YEAR B.D.S. DEGREE EXAM

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PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Classify Various Theories of Child Psychology. Discuss in detail about Cognitive Development Theory.
2. Classify Traumatic Injuries based on Ellis and Davey. Write in detail about the Management of Ellis class IX Fracture.

II. Write Notes on: **(10 x 5 = 50)**

1. Transient Malocclusions.
2. Management of Tongue Thrusting Habit.
3. Modelling.
4. Rampant Caries.
5. Juvenile Periodontitis.
6. Types of Cry.
7. Lip Bumper.
8. Brudevold's Solution.
9. Formocresol Pulpotomy.
10. Stainless Steel Crowns.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1221]

**DECEMBER 2021
(AUGUST 2021 SESSION)**

Sub. Code: 4217

FOURTH YEAR B.D.S. DEGREE EXAM

**(Common to Final Year Paper III - Modified Regulation III and
Final Year Paper II - New Modified Regulation Candidates)**

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Classify Ellis and Davey's Traumatic injuries of teeth. Explain Avulsed teeth and its management in a 9 year old child?
2. Define Space Maintainer. Indications, contraindications of space maintainers. Elaborate on principles and techniques in constructing an eruption guidance appliance in a 5 ½ years old child.

II. Write Notes on: (10 x 5 = 50)

1. Modelling.
2. Sensorimotor stage in Piaget Theory.
3. Delayed Eruption of Teeth.
4. Frankel behavior Rating Scale.
5. Food Guide Pyramid.
6. Sugar Substitutes.
7. Fluoride Varnish.
8. Mouth Breathing.
9. Caries Diagnostic Techniques.
10. Ugly Duckling Stage.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0522]

**MAY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4217

**B.D.S. DEGREE EXAM
(Common to Final Year Paper III Modified Regulation III and
Final Year Paper II New Modified Regulation Candidates)**

FINAL YEAR

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define pulpotomy. Classify pulpotomy and describe the indications, contraindication and procedure of formocresol pulpotomy.
2. Define handicap and classify handicapped children. Write about the aetiology, clinical features and management of Down's syndrome.

II. Write Notes on: (10 x 5 = 50)

1. Tongue thrusting – management.
2. Radiographic survey in pedodontics.
3. Serial extraction – definition & Techniques
4. Mouthguards.
5. Antibiotic prophylaxis.
6. Battered baby syndrome.
7. Preventive resin restoration.
8. Space regainers.
9. Cariogram.
10. Silver diamine Fluoride.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1022]

**OCTOBER 2022
(AUGUST 2022 SESSION)**

Sub. Code: 4217

**B.D.S. DEGREE EXAMINATION
(Common to Final Year Paper III Modified Regulation III and
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**FINAL YEAR
PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY
Q.P Code: 544217**

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Describe the detail about the development of occlusion from birth till 12 years of age with diagrams wherever necessary.
2. Define semi-permanent restoration. Discuss the indications, contraindications and clinical procedure of stainless-steel crowns.

II. Write Notes on: (10 x 5 = 50)

1. Young Permanent teeth.
2. Quad Helix.
3. Pre-appointment behaviour Modification.
4. Concussion.
5. Incipient caries lesion and its management.
6. Methods of Isolation.
7. Cheiloplasty.
8. Acute Necrotizing Ulcerative Gingivitis.
9. Bio dentin.
10. Window of Infectivity.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0223]

FEBRUARY 2023

Sub. Code: 4217

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper III Modified Regulation III and
Final Year Paper II New Modified Regulation Candidates)**

FINAL YEAR

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Define Space Maintainer. What are the Indications, Contraindications of Distal Shoe Space Maintainer? Discuss the Space Management for a 6 year old child with Premature Loss of 85.
2. Define Pulpotomy. Discuss the Indications, Contraindications and Medications used in the different Treatment Modalities of Pulpotomy.

II. Write Notes on:

(10 x 5 = 50)

1. Thumb Sucking Habit Management.
2. Compomers.
3. Space Regainers.
4. Rubber Dam.
5. Caries Activity Tests.
6. Contingency Management.
7. Fear.
8. Midline Diastema.
9. Stannous Fluoride.
10. Early and Late Mesial Shift.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0723]

JULY 2023

Sub. Code: 4217

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper III Modified Regulation III and
Final Year Paper II New Modified Regulation Candidates)**

FINAL YEAR

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Define and Classify Habits. Discuss in detail about Tongue Thrusting Habit.
2. Enumerate the Topical Fluorides. Write in detail about Fluoride Varnishes.

II. Write Notes on:

(10 x 5 = 50)

1. Mineral Trioxide Aggregate.
2. Keyes triad.
3. Acute Necrotizing Ulcerative Gingivitis.
4. Lingual arch space maintainer.
5. Growth Spurts.
6. Types of Fear.
7. Down syndrome.
8. Bite marks.
9. Nitrous oxide – Oxygen inhalation sedation.
10. Modifications of Stainless Steel Crowns.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1023]

**OCTOBER 2023
(AUGUST 2023 EXAM SESSION)**

Sub. Code: 4217

**B.D.S. DEGREE EXAMINATION
(Common to Final Year Paper III Modified Regulation III and
Final Year Paper II New Modified Regulation Candidates)**

**FINAL YEAR
PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY
Q.P Code: 544217**

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Early Childhood Caries (ECC) and S-ECC. Write about stages, etiology and prevention of ECC.
2. An 8-year-old child reports with avulsed upper central incisor. Write in detail about the management of avulsed tooth.

II. Write Notes on: **(10 x 5 = 50)**

1. Serial Extraction.
2. Knutson technique.
3. Diagnosis of mouth breathing.
4. Minimal Intervention Dentistry.
5. Acute Necrotizing Ulcerative Gingivitis.
6. Cariogram.
7. Fluoride varnish.
8. Teething.
9. Battered child syndrome.
10. Food guide pyramid.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0224]

FEBRUARY 2024

Sub. Code: 4217

B.D.S. DEGREE EXAMINATION
(Common to Final Year Paper III Modified Regulation III and
Final Year Paper II New Modified Regulation Candidates)

FINAL YEAR
PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY
Q.P Code: 544217

Time: Three Hours

Maximum: 70 Marks

Answer All Questions in the same order
Draw suitable diagrams wherever necessary

I. Elaborate on:

(2 x 10 = 20)

1. Define and classify children with special health care needs. Write in detail about dental management of cerebral palsy.
2. Write in detail about Sodium fluoride. Add a note on fluoride varnishes.

II. Write Notes on:

(10 x 5 = 50)

1. Window of infectivity.
2. Apexification versus Apexogenesis.
3. Mechanical plaque control.
4. Band and Loop Space Maintainer.
5. Self-correcting anomalies.
6. Drug dosage calculation for children.
7. Observational learning theory.
8. Mouth guards in prevention of Traumatic dental injuries.
9. Management of anterior crossbite.
10. Dental home.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0824]

AUGUST 2024

Sub. Code: 4217

B.D.S. DEGREE EXAMINATION

FINAL YEAR

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Define and classify Traumatic injuries to anterior teeth. Write in detail about steps in management of avulsed permanent anterior tooth.
2. Classify child's behaviour in dental office. Enumerate various behaviour management techniques.

II. Write Notes on:

(10 x 5 = 50)

1. Esthetic anterior crowns.
2. Silver diamine fluoride.
3. Cephalo caudal gradient of growth.
4. Autism.
5. Luxation injuries.
6. Hierarchy of needs.
7. Cariogram.
8. Modifications of band and loop space maintainers.
9. Dentifrice recommendations in children.
10. Preventive resin restoration.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0225]

FEBRUARY 2025

Sub. Code: 4217

B.D.S. DEGREE EXAMINATION

**New Modified Revised Regulation (August 2016 Examination Session onwards)
and New Modified Regulation {Candidates admitted from 2008-2009 onwards}**

FINAL YEAR

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on: (2 x 10 = 20)

1. Define and classify Early Childhood Caries (ECC). Write in detail about prevention and management of ECC.
2. Define and classify Space maintainers. Write in detail about indication, contraindications and fabrication of Distal Shoe Space maintainer.

II. Write Notes on: (10 x 5 = 50)

1. Autism.
2. Silver diamine fluoride.
3. Management of anterior crossbite.
4. Oral manifestation of AIDS.
5. Masochistic habits.
6. Esthetic crowns in Pediatric Dentistry.
7. Psychosexual theory.
8. Teething.
9. Apexification v/s Apexogenesis.
10. Pit and Fissure sealants.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BDS 0825]

AUGUST 2025

Sub. Code: 4217

B.D.S. DEGREE EXAMINATION

**New Modified Revised Regulation (August 2016 Examination Session onwards)
and New Modified Regulation {Candidates admitted from 2008-2009 onwards})**

FINAL YEAR

PAPER II – PAEDIATRIC AND PREVENTIVE DENTISTRY

Q.P Code: 544217

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Define Early Childhood Caries (ECC). Write in detail about severe ECC. Add a note on the difference between nursing caries and rampant caries.
2. Classify traumatic dental injuries and add a note on management of Avulsion in primary and permanent teeth.

II. Write Notes on:

(10 x 5 = 50)

1. Silver diamine fluoride.
2. Classify child abuse and neglect.
3. Diagnosis of mouth breathing.
4. Early and late mesial shift.
5. Preventive resin restorations.
6. Apexification.
7. Autism.
8. Protective stabilization.
9. Mineral trioxide aggregate.
10. Obturating materials in primary teeth.
