

MARCH 2007

[KQ 413]

Sub. Code : 2431

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

**Branch VIII – PEDODONTICS AND PREVENTIVE
DENTISTRY**

**(For candidates admitted from the Academic Year
2004–05 onwards)**

**Paper III — CHILD PSYCHOLOGY, GROWTH AND
DEVELOPMENT AND INTERCEPTIVE
ORTHODONTICS AND PREVENTIVE DENTISTRY**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essays :

1. Critically analyse Freud's psychosexual theory and Erikson's psychosocial theory. List their clinical applicability in management of pediatric patients of different ages.
(20)

2. "Fluoride – A double edged sword". – Explain. (15)

3. Describe the various theories of growth and development. Highlight on the merits and demerits of each theory. Explain the modern composite theory. (15)

II. Short notes : (6 × 5 = 30)

- (a) Mixed dentition analysis.**
 - (b) Pit and fissure sealants.**
 - (c) Pre operational period.**
 - (d) Askov dental health education.**
 - (e) Diet diary.**
 - (f) Alternative restorative treatment.**
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SEPTEMBER 2007

[KR 413]

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Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

**(1) Discuss the role of cephalometrics analysis in
myofunctional therapy. (20)**

**(2) Discuss the development of intelligence in
children according to Piaget. Give its clinical
applicability in management of paediatric patients.
(15)**

**(3) Enumerate the various theories of growth
and development. Explain the prenatal and postnatal
growth of mandible in relevance to these theories. (15)**

II. Short notes : (6 × 5 = 30)

(a) Management of maxillary transverse deficiency.

(b) Chemo-mechanical removal of dental caries.

**(c) Importance of diet analysis in paediatric
dentistry.**

(d) Low birth weight and the dentition.

(e) School dental nurse.

(f) Chemical plaque control.

MARCH 2008

[KS 403]

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PREVENTIVE DENTISTRY

Q.P. Code : 242431

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Essays : (2 × 20 = 40)
1. Discuss Piagets Theory and its clinical applications.
 2. Discuss the role of space management in development of normal occlusion.
- II. Write Short notes : (6 × 10 = 60)
1. Recent development of audio–visual aids in the prevention of caries in children.
 2. Role of maternal anxiety in the behaviour of children in dental clinic.
 3. Incremental dental care.
 4. Functional matrix theory.
 5. Preventive resin restorations in children.
 6. Stainless steel crowns.
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March 2009

[KU 403]

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

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**Paper III – CHILD PSYCHOLOGY, GROWTH AND DEVELOPMENT
AND INTERCEPTIVE ORTHODONTICS
AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Discuss the changes in occlusion from birth to complete eruption of permanent dentition. Critically evaluate with studies.
2. Discuss in detail Sigmund Freuds theory and its clinical implications.

II. Write short notes on : (6 x 10 = 60)

1. Primary dentition terminus.
2. Factors governing space maintenance.
3. Types of cry seen in the dental operator.
4. Pharmacological methods of behaviour management.
5. Lingual arch space maintainer.
6. Ugly duckling stage.

September 2009

[KV 403]

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

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AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Critically evaluate the importance of study models, photographs, cephalometric radiographs and case analysis in the diagnosis of interceptive orthodontics.
2. Discuss in detail Pavlov's theory and its clinical implications.

II. Write short notes on : (6 x 10 = 60)

1. Dentoalveolar effects of oral habits.
2. Computerised growth prediction.
3. Anxiety.
4. Etiology of thumb sucking.
5. Blue grass appliance.
6. Cartilage theory of growth.

March 2010

[KW 403]

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

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**Paper III – CHILD PSYCHOLOGY, GROWTH AND DEVELOPMENT
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AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Discuss the evolution of topical fluoride. How does continuous daily fluoride exposure differ in its interaction with enamel, as compared to systemic fluoride?
2. Discuss oral health problems seen in institutionalized disabled children and measures to overcome them.

II. Write short notes on : (6 x 10 = 60)

1. Treatment of mandibular excess.
2. Methods of growth assessment.
3. Child abuse and the role of a pedodontist.
4. Incremental oral health care.
5. Tests to assess intelligence.
6. Path finder survey.

September 2010

[KX 403]

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

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Q.P. Code : 242431

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Describe different types of children based on behaviour and the factors influencing the behaviour. Discuss various measures to reduce the anxiety.
2. Discuss pit and fissure sealants and their role in the caries prevention.

II. Write short notes on : (6 x 10 = 60)

1. Growth spurts.
2. Serial extraction.
3. Digit sucking.
4. Gum pads.
5. Role of diet in caries prevention.
6. Nitrous oxide.

[LA 403]

April 2012

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

BRANCH VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

**PAPER III –CHILD PSYCHOLOGY, GROWTH AND DEVELOPMENT AND
INTERCEPTIVE ORTHODONTICS AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Survey	7	18	10
2. Incremental dental care	7	18	10
3. Recent advances in the prevention of dental caries	7	18	10
4. Growth prediction methods	7	18	10
5. Skinner's Operant conditioning theory and its application in pediatric dentistry	7	18	10
6. Complications in serial extractions	7	18	10
7. Mixed dentition analysis	7	18	10
8. Fluoride belt areas in India	7	18	10
9. Teledentistry	7	18	10
10. Functional matrix theory	7	18	10

[LC 403]

APRIL 2013

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

**BRANCH VIII – PEDODONTICS AND PREVENTIVE DENTISTRY
PAPER III –CHILD PSYCHOLOGY, GROWTH AND DEVELOPMENT AND
INTERCEPTIVE ORTHODONTICS AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Period of Concrete and Formal Operations.
2. Serial Extraction. Compare the advantages and disadvantages of various methods.
3. Functional Matrix theory.
4. Discuss the controversies related to use of bonding agents in relation to pit and fissure sealants. Write a brief note on sealants for partially erupted molars.
5. Growth spurts.
6. Does fluorides have systemic effect?
7. Management of Mandibular prognathism in mixed dentition.
8. Ectopic eruption of first permanent molars and various appliances to manage this clinical situation.
9. Indications for reverse band and loop space maintainers. Write about modifications of band and loop space maintainers.
10. Id, Ego and Superego.

[LE 403]

APRIL 2014

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

BRANCH VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

**PAPER III –CHILD PSYCHOLOGY, GROWTH AND DEVELOPMENT AND
INTERCEPTIVE ORTHODONTICS AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Cariogram.
2. Indian methods of defluoridation.
3. Sampling.
4. Pathfinder survey.
5. Role of chewing gums in the prevention of dental caries.
6. Plaque control measures.
7. Sugar control measures.
8. Explain the concept of personality.
9. Post natal development of mandible.
10. Growth spurts.

[LG 403]

APRIL 2015

Sub. Code: 2431

M.D.S. DEGREE EXAMINATION

BRANCH VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

**PAPER III – CHILD PSYCHOLOGY, GROWTH AND DEVELOPMENT AND
INTERCEPTIVE ORTHODONTICS AND PREVENTIVE DENTISTRY**

Q.P. Code : 242431

Time: Three Hours

Maximum: 100 marks

(10 x 10 = 100)

1. Concept of fixation.
2. Sampling.
3. Sugar substitutes.
4. Cross sectional studies.
5. Serial extraction.
6. Functional matrix theory.
7. Milestones of development in a normal healthy child.
8. Plaque hypothesis.
9. Fluoride belt in India.
10. Pit and fissure sealants.
