

APRIL 2003

[KI 380]

Sub. Code : 2371

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch VIII — Pedodontics and Preventive Dentistry

Part II

Paper I — CHILD PSYCHOLOGY, GROWTH AND
DEVELOPMENT OF FACIAL SKELETON,
PREVENTIVE AND INTERCEPTIVE
ORTHODONTICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe various mixed dentition analyses. Explain their role in preventive and interceptive orthodontics. (25)
2. Discuss various factors influencing behaviour of children in the dental office. Describe the management of a fearful child. (25)

3. Short essays : (5 × 10 = 50)
 - (a) Functional matrix theory
 - (b) Explain the concept of 'Personality'
 - (c) Post natal development of mandible
 - (d) Cognitive development theory
 - (e) Active space maintainers.

OCTOBER 2003

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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

M.C.Q. must be answered **SEPARATELY** on the
answer sheet provided as per the instructions on the
first page of M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

1. Discuss Erik Erikson's theory of psychological development and its clinical application in Indian children. (15)
2. Discuss theories of eruption, sequence, and chronology of eruption of primary teeth. Also discuss the problems associated with eruption of primary teeth. (15)

3. Write short notes on : (10 × 5 = 50)
 - (a) Growth of mandible.
 - (b) Serial extraction.
 - (c) Tanaka–Johnston mixed dentition analysis.
 - (d) Behaviour modification techniques.
 - (e) Role of parental attitude on the behaviour of children in dental setting.
 - (f) Correction of anterior crossbites in children.
 - (g) Midline diastema : Etiology and management.
 - (h) Growth spurts.
 - (i) Nolla's stages of tooth development.
 - (j) Assessment of skeletal maturity.

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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.

A. Essay :

(2 × 15 = 30)

(1) Development and measurement of intelligence and anxiety and their practical applications in step by step handling of an emotionally disturbed child.

(2) Discuss the theories of craniofacial complex growth with particular reference to craniofacial and occlusal development.

B. Short notes :

(10 × 5 = 50)

- (1) Computerised growth forecasting.
- (2) Define behavioural science? What are the factors that influence the child's behaviour in a dental office?
- (3) Different growth assessment parameters.
- (4) Justify Glass Ionomer as a biomeric material.
- (5) Crossbite in deciduous dentition and its management.
- (6) Proximal stripping Vs Serial extraction.
- (7) Tooth trainer.
- (8) Bonded space maintainers.
- (9) Nolla's stages of tooth development.
- (10) Exfoliation.

AUGUST 2004

[KL 380]

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PREVENTIVE AND INTERCEPTIVE
ORTHODONTICS**

Time : Three hours Maximum : 100 marks

**Theory : Two hours and Theory : 80 marks
forty minutes**

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) What are the growth assessment parameters and describe the factors affecting physical growth.

(2) Elucidate Freud's Hypothesis on child's psychosocial/psychosexual development. Compare the same critically with views of Jean Piaget and Eric Erikson.

II. Short notes : (10 × 5 = 50)

(a) Midline Diastema.

(b) Indications and contraindications of serial extraction.

(c) Fixed habit breaking appliances.

(d) Self correcting dental anomalies.

(e) Types of fear and fear assessments.

(f) Oral features of neonate.

(g) Growth trends.

(h) Nance space holding appliance.

(i) Functional orthopedics.

(j) Moss's functional matrix theory.

FEBRUARY 2005

[KM 380]

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INCLUDING PREVENTIVE AND INTERCEPTIVE
ORTHODONTICS

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss the importance of phased extraction program during the mixed dentition period.

(2) Discuss the cross sectional view of the psychoanalytical theory of Eric Ericson and its relevance in clinical pediatric dentistry.

II. Short Notes : (10 × 5 = 50)

(a) Prenatal and postnatal development of mandible.

(b) Growth spurts.

(c) Assessment of dental age.

(d) Self destructive oral habits.

(e) Controversies of etiology of thumb sucking.

(f) Development of emotions in children.

(g) Mechanism of tooth eruption.

(h) Measurement of intelligence.

(i) Active occlusal guidance.

(j) Mixed dentition analysis.

SEPTEMBER 2006

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Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Classify cleft lip and palate according to VEAU and outline the drawbacks of this classification and the measures taken to overcome these drawbacks. Discuss the pathogenesis of cleft lip and palate. (20)

(2) Enumerate the various developmental disturbances in the teeth and discuss in detail the developmental anomalies of Dentine. (15)

(3) Explain various methods of mixed analysis with special references to Moyer's mixed dentition analysis. How these analytical methods help us in formulating proper orthodontic treatment planning in mixed dentition? (15)

II. Short notes : (6 × 5 = 30)

(a) Establishment of occlusion of the permanent 1st molars.

(b) Low birth weight and the dentition

(c) Positive tooth borne functional appliances

(d) Complications in serial extractions

(e) Growth assessment parameters

(f) Skinner's Operant Conditioning theory and its application in pediatric dentistry