

SB 279]

APRIL 1995

M.D.S. DEGREE EXAMINATION

New Regulations

Part II

Branch V — Orthodontics

Paper I — GROWTH AND DEVELOPMENT
ANTHROPOLOGY, NUTRITION

Time Three hours Maximum 100 marks

Answer ALL questions.

1. What are the equilibrium effects on the dentition ?
(25)
 2. Discuss pattern, variability and timing of growth.
(25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Growth site and growth center.
 - (b) Naso capsular theory.
 - (c) Logarithmic spiral as a basis for facial growth.
 - (d) Morphological changes in T.M.J.
 - (e) Longitudinal growth study
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OCTOBER 1996

PK 248

M.D.S. DEGREE EXAMINATION

(New Regulations)

Part II

Branch V - Orthodontics

Paper I - GROWTH AND DEVELOPMENT, ANTHROPOLOGY,
NUTRITION

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss in detail the formation of Palate.
Enumerate the aetiological factors
responsible for cleft palate. Quote one
study on this subject. (25)
 2. Discuss in detail the dimensional changes
in arch length and arch width, mesial to
the permanent first molar during the
period between 7-13 years. Quote two
studies on this subject. (25)
 3. Write briefly on: (5x10=50)
 - (a) Growth sites in the cranial base
 - (b) Laws of Heredity
 - (c) Eruption of teeth
 - (d) Evolution of lower jaw in vertebrates
 - (e) Malnutrition as a causative factor
for meal occlusion.
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APRIL 1997

MP 225

M.D.S. DEGREE EXAMINATION

(Revised Regulations)

Branch V - Orthodontics

Part II

Paper I - GROWTH AND DEVELOPMENT, ANTHROPOLOGY,
NUTRITION

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the adjustments, mechanism and functional regulations of mandibular growth
(25)
 2. Discuss the influence of heredity and its mechanism on development of malocclusion.
(25)
 3. Write briefly on: (5x10=50)
 - (a) Logarithmic growth of mandible
 - (b) Synchondrosis
 - (c) Neurotrophic process in orofacial growth
 - (d) Evolution of lower jaw in vertebrates
 - (e) Rickets
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APRIL 1998

SV 239

M.D.S. DEGREE EXAMINATION

(Revised Regulations)

Branch V - Orthodontics

Part II

Paper I - GROWTH AND DEVELOPMENT ANTHROPOLOGY,
NUTRITION

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe in detail the phenomenon of rotation of jaws during growth and how it contributes to malocclusion. (25)
 2. Discuss the factors influencing the development of normal occlusion. What is the current thinking on the theory of 'attritional occlusion'? (25)
 3. Write briefly on: (5x10=50)
 - (a) Primary and secondary cartilages
 - (b) Craniofacial growth in adults
 - (c) Evolution of temporo mandibular joint
 - (d) Role of vitamins in growth
 - (e) Hunter-Enlow concept of growth equivalents.
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OCTOBER 1999

[KA 368]

M.D.S. DEGREE EXAMINATION

Branch V — Orthodontics

Part II

Paper I — GROWTH AND DEVELOPMENT,
ANTHROPOLOGY, NUTRITION

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Outline the recently introduced changes in the Functional matrix theory. What is the current status of the genomic hypothesis in human growth and development? (25)
 2. Outline the maturational development and growth of the human chin, lips and nose. Add a note on its significance in treatment planning. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Implants for growth studies
 - (b) Somatomedin and somatostatin
 - (c) Wetzels grid
 - (d) Vertical maxillary excess
 - (e) Short face syndrome.
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APRIL 2000

[KB 368]

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch V — Orthodontics

Part II

Paper I — GROWTH AND DEVELOPMENT,
ANTHROPOLOGY NUTRITION

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss in details postnatal growth of the mandible and effects of mandibular condylar growth on anterior facial height. (25)
 2. Write in details about development of occlusion from birth to 18 years of age. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Servo system theory of bone growth.
 - (b) Stomatognathics.
 - (c) Ectopic eruption of teeth.
 - (d) Growth trends.
 - (e) Curve of spee.
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[KC 368] **OCTOBER 2000**

M.D.S. DEGREE EXAMINATION

(Revised Regulations)

Part II

Branch V — Orthodontics

**Paper I — GROWTH AND DEVELOPMENT,
ANTHROPOLOGY NUTRITION**

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss in detail – development of dentition in human beings. (25)
2. Discuss in detail about functional matrix of bone growth and latest advances in it. (25)

3. Write briefly on : (5 × 10 = 50)

- (a) Benninghoff's trajectories.
 - (b) Role of sutures in growth of maxilla.
 - (c) Andrew's six keys of occlusion.
 - (d) Anthropometry.
 - (e) Methods of studying bone growth
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