

(B.D.S. 5 Year)
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(20710)

Roll No.

B.D.S. I Professional

5138(N)

B.D.S. Examination, July 2010

Paper-III

Dental Anatomy, Embryology & Oral Histology

(BDS - 03N)

Time : Three Hours] [Maximum Marks : 70

Note : Attempt all questions. Use separate copy for Part-I & Part-II. Draw Diagrams Wherever Necessary.

Part-I

1. Write in detail all the following. (2x8 = 16)

(a) Discuss Amelogenesis in detail, outlining the

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various stages in the life cycle of ameloblasts.

8

- (b) With the help of a well labelled diagram describe the morphology of the Permanent Maxillary First Molar.

8

Molar.

2. Write briefly on the following :

(2×5=10)

(a) Types of Dentin

5

(b) Leeway Space

5

3. Write short note on :

(3×3=9)

(a) Bundle bone

3

(b) Plexus of Rashkow

3

(c) Curve of Spee

3

Part-II

1. Write in detail all the following :

(2×8=16)

(a) Describe the functions of Periodontal ligament.

Add a note on the Principle fibres.

8

- (b) Describe the composition, formation and mechanism of secretion of Saliva.

8

2. Write briefly on the following : (2×5=10)

(a) Tooth Numbering System

(5)

(b) Chronology of Permanent dentition.

(5)

3. Write short note on :

(3×3=9)

(a) Cellular Cementum

3

(b) Nerve supply of TMJ

3

(c) Serous acini

3

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(21110)

Roll No. 4090089

B.D.S. I Prof.

5138 (N)

B.D.S. Examination Nov. 2010

Dental Anatomy, Embryology and oral

Histology

Paper - III

BDS - 03 (N)

Time : Three Hours /

Maximum Marks : 70

Section - 'A'

Write in detail :

2x8=16

(a) What is Periodontium? Write in detail the

Histology of principal Fibres of the periodontal

Ligament. Draw neat labeled diagrams. 8

(b) List the stages of Odontogenesis. Describe cap

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stage of tooth development in detail, along with diagrams. 8

2. Write briefly :

2x5=10

- (a) Steps of deglutition 5
(b) Incremental lines in enamel, Dentin & Cementum. 5

3. Write short notes on :

3 x 3 = 9

- (a) Lamina Dura and its importance. 3
(b) Zones of the Pulp 3
(c) Occlusal surface of maxillary 1 premolar. 3

Section - 'B'

1. Write in detail :

2x8=16

- (a) Describe the Morphologic features of permanent maxillary 1 molar. Draw neat labeled diagrams. 8
(b) Classify Oral Mucosa. Write in detail the Histology of specialized Mucosa. 8

2. Write Briefly : 2x5=10

(a) Differences between Primary & Permanent Teeth.

Teeth. 5

- (b) Define Fossa. Explain in detail, types of Fossa with the help of diagrams. 5

3. Short notes :

3x3=9

- (a) Function of Saliva 3
(b) Perikymata 3
(c) Non-Keratinocytes. Mention its function. 3