

APRIL 2004

KK 357]

Sub. Code : 2312

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

Part II

Paper II — PATHOLOGY, MICROBIOLOGY AND
IMMUNOLOGY

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) Discuss bacterial invasion and its role in the
pathogenesis of periodontal disease.

(2) Discuss the role of cytokines in periodontal
disease.

B. Short notes on :

(10 × 5 = 50)

(1) Lipopolysaccharides

(2) Adhesins

(3) Coaggregation

(4) Established gingival lesion

(5) Pre-pubertal periodontitis

(6) Microbial diagnostic tests

(7) Gingival Gvickular Fluid

(8) Mast cells

(9) Plasma cell gingivitis

(10) Microbial specificity in Periodontal disease.

AUGUST 2004

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Answer ALL questions.

I. Essay :

(2 × 15 = 30)

(1) Discuss in detail diagnosis of desquamative
gingivitis — A systematic approach.

(2) Bone destruction caused by extension of
gingival inflammation — Describe the various stages of
destruction.

II. Short notes :

(10 × 5 = 50)

- (a) Discuss the composition of sulcular fluid.
- (b) Describe granulomatous diseases.
- (c) Role of bacteria in etiology of necrotizing
ulcerative gingivitis.
- (d) Types of gingival disease in childhood.
- (e) Microtopography of the gingival wall of
periodontal pocket.
- (f) Leukotoxins of actinobacillus actinomycetem
comitans.
- (g) Immunologic considerations in chronic
periodontitis.
- (h) Effect of periodontal infection on ischaemic
heart disease.
- (i) Biologic basis of occlusal function in
periodontal disease.
- (j) Diagnosis and classification of fureation
defects.

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