

MARCH 2007

[KQ 357]

Sub. Code : 2312

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

**Paper II — PATHOLOGY, MICROBIOLOGY AND
IMMUNOLOGY**

**(For candidates admitted from the academic year
1993-94 onwards)**

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 clinical application of current
research in periodontal wound healing and
regeneration. (20)**

**(2) Discuss immunologic aspects of the microbial
interaction with the host in periodontal disease. (15)**

**(3) Discuss research advances in periodontal
diagnosis. (15)**

II. Short notes :

(6 × 5 = 30)

**(a) Mechanism of trans-endothelial migration of
cells during inflammation.**

(b) Probiotics – Oral biofilm and microflora.

**(c) Clinical implications of genetic studies in
periodontal disease.**

**(d) Differential diagnosis of primary herpetic
gingivo stomatitis.**

**(e) Critically evaluate periodontal tissue
response to increased occlusal forces.**

(f) Mechanisms of periodontal bone destruction.