

**Paper-II- Normal Periodontal Structure, Etiopathogenesis Of Periodontal Diseases, Epidemiology As Related To Periodontics**

**Long Answers: 20 Marks**

1. Classify gingival enlargement & describe in details about drug induced gingival enlargement.	N 2011
2. Define infrabony pockets, write pathogenesis and add a note on various types of bony defects.	
3. Role of iatrogenic factors in periodontal disease.	M 2010
4. Define and classify indices. Discuss various indices used in evaluation of periodontal diseases.	
5. Describe the structures of periodontal ligament and discuss its functional adaptation to masticatory forces	M 2009
6. Discuss the significance of GCF in defence mechanism of gingiva?	
7. Viral infections of periodontium	A 2008
8. GCF	
9. Role of GCF as a marker for periodontal disease	
10. Discuss in detail the immune response in periodontal disease	
11. Discuss the current understanding of the etiopathogenesis of aggressive periodontitis.	A 2007
12. Critically evaluate “virus influence immune response” in periodontal disease.	
13. Discuss the present understanding of role of Gram-negative bacteria in the etiology of periodontal disease.	S 2007
14. “Periodontal status can be very well assessed by tooth mobility”. Discuss the statement with your comments.	
15. Describe the role of systemic factors in etiopathogenesis of gingival and periodontal disease.	
16. Describe the microbial profile of aggressive periodontitis.	
17. Discuss role of NSAID in the management of periodontal disease.	2006
18. Describe the contribution of the immune related factors in the etiology of periodontal disease.	
19. Discuss the current advances in dentogingival unit.	
20. Discuss the role of neuropeptides in periodontal disease.	
21. Dental cementum: the dynamic tissue covering of the root	A 2005

22. Describe the factors affecting gingival pigmentation.	
23. Discuss the current thinking on the role of nutrition in periodontal disease.	2003
24. Discuss the host response in periodontal disease.	
25. Discuss the role and management of parafunctional conditions affecting the periodontium.	2002
26. Discuss the microscopic and macroscopic appearance of keratinised oral mucosa.	
27. Discuss the development and structure of junctional epithelium.	
28. Describe the structure of periodontal ligament and discuss its functional adaptation to masticatory forces.	
29. Discuss the sequence of biochemical and morphological events of gingival keratinisation.	2001
30. Dental cementum – the dynamic tissue covering of the root.	
31. Discuss the current concept of dento-gingival junction.	
32. Discuss the histochemical aspect of normal gingiva	
33. Discuss the pathogenesis of gingival bleeding	1999
34. Role of radiographs and other imaging techniques in the diagnosis of periodontal disease.	
35. Give a clinical appraisal of specific and non-specific plaque hypothesis in the etiology of periodontal disease.	
36. What are cohort and double blind studies? Discuss them by giving suitable plan of methodology for a scientific study in prevention of periodontal disease.	

**Short Answers:**

1. Probiotics in periodontal therapy	N 2011
2. VEGF	
3. IL-1	
4. Polymicrobial community	
5. Transcription factors	
6. Indices used to evaluate outcome of therapy	
7. Matrix metalloproteases	M 2010
8. Microbial complexes	
9. Adequacy of width of attached gingival	
10. Refractory periodontitis	
11. Implication of genetics in periodontal diseases	

12. Significance of preventive periodontics	
13. Food impaction 14. Influences of diabetes mellitus on periodontal tissues 15. Furcation involvement 16. Host-microbial interaction 17. Nutritional influence in etiology of periodontal disease 18. Specific and non specific hypothesis	M 2009
19. Plaque hypothesis 20. Current classification of periodontal disease 21. Immunological aspects of periodontal disease 22. ANUG 23. Preterm low birth weight children and periodontal disease 24. Halitosis 25. Specific and non-specific plaque hypothesis and current concepts 26. ECM in periodontal health and disease 27. Periodontal abscess 28. Ultra structure of cementum 29. Theories of calculus formation and mineralization with recent concepts 30. Diabetes and periodontium	A 2008
31. Significance of root surface therapy 32. Risk factors in periodontal disease 33. Role of nitric oxide synthase in disease progression 34. Discuss the influence of orthodontic appliance on the periodontal pathology 35. Community periodontal index for treatment needs v/s community periodontal index 36. Discuss the various psychosomatic factors influencing periodontal pathology	A 2007
37. Iatrogenic factors 38. Discuss the current controversies in relation to the etiopathogenesis of refractory periodontitis. 39. Prevalence of periodontal disease in India. 40. Discuss the role of H <sup>+</sup> ion concentration of saliva in the formation of dental calculus. 41. Regenerative capacity of the periodontal ligament. 42. Immunohistochemistry 43. Describe the specific and non-specific plaque hypothesis. 44. Changes in periodontium associated with pregnancy	S 2007

<p>45. Role of smoking in the etiology of periodontitis</p> <p>46. Enumerate the various indices used for assessment of dental plaque. Write any 1 in detail.</p> <p>47. Give cause and sequelae of food impaction</p> <p>48. Refractory periodontitis</p>	
<p>49. Critically evaluate – periodontal disease is a risk factor for systemic disease.</p> <p>50. Localized tooth related factors that predispose to periodontal disease.</p> <p>51. Recent development in laboratory investigations of periodontal disease.</p> <p>52. Current thinking on the genetic background and periodontal disease.</p> <p>53. Parafunctional habits and periodontium.</p> <p>54. Acute phase reactants in periodontal disease.</p> <p>55. Cohort study</p> <p>56. Bone destructive patterns in periodontal disease.</p> <p>57. Current view on ‘biofilm’ and their hypothesis</p> <p>58. Various indices used for dental plaque</p> <p>59. Discuss the influence of tobacco smoking in the etiopathogenesis of gingival and periodontal disease.</p> <p>60. Effect of stress on periodontium</p>	2006
<p>61. Discuss the defence mechanisms operating in the oral cavity with its limitations.</p> <p>62. Discuss the epidemiology of the gingival and periodontal disease in India.</p> <p>63. Collagen fibres of the gingival connective tissue.</p> <p>64. Effects of stress on the periodontium.</p> <p>65. Primary trauma from occlusion.</p> <p>66. Critically evaluate gingival keratinisation.</p>	A 2005
<p>67. Effect of aging on the periodontium</p> <p>68. Critically evaluate the scope and limitations of CPITN index.</p> <p>69. Prevalence of periodontitis.</p> <p>70. GCF in health and disease</p> <p>71. Current concept on new attachment</p> <p>72. The role of pro-inflammatory mediators in periodontal disease.</p>	2004
<p>73. Critically evaluate the scope and implications of community periodontal index.</p> <p>74. Mechanism of dentinal hypersensitivity</p> <p>75. Discuss the statement – gingival fluid is an inflammatory exudate</p> <p>76. Describe how stability and integrity of periodontal tissue are influenced by various environmental factors around the tooth.</p>	2003

77. Influence of endocrines on periodontal tissue.	
78. Recent advances in the field of new attachment.	
79. Cohort study	2002
80. Discuss the use of dental floss in preventive Periodontics	
81. Bone destructive patterns in periodontal disease	
82. What are the various indices used for dental plaque?	
83. How would you differentiate between leukaemic gingival enlargement and scorbutic gingival enlargement?	
84. Discuss the influence of tobacco in the etiopathogenesis of gingival and periodontal disease in India.	
85. Discuss the effect of ageing on the periodontal tissue.	
86. Critically evaluate gingival keratinisation.	
87. Discuss the epidemiology of gingival and periodontal disease in India.	
88. Factors affecting gingival pigmentation.	
89. Discuss the defence mechanisms operating in the oral cavity with its limitations.	
90. Describe the structure and organisation of subgingival plaque.	
91. Regenerative capacity of the periodontal ligaments	2001
92. Periosteum and endosteum	
93. Collagen fibres of gingival connective tissue	
94. Russel's periodontal index	
95. Prevalence of periodontitis	
96. GCF in periodontal health and disease	
97. Critically evaluate your views on role of genetic factors in Periodontics	
98. Describe alveolar bone in disease	
99. Discuss the basic, scope and implications of community periodontal index for treatment needs.	
100. Describe the role of vitamins in periodontal pathosis	
101. Describe ultra structure of cementum	
102. What are the differences observed between the periodontium of a child and an adult?	