

Nov-2013

BLDE UNIVERSITY
PRE –PhD COURSE WORK EXAMINATION
PAPER – II: Background Paper (Biochemistry)
QP CODE: 6016

Duration : 1 ½ Hrs

Max. Marks : 50

I Answer the following

5X2=10 marks

1. What is the role of C-reactive protein in periodontitis?
2. Enlist the periodontal pathogens.
3. What is the significance of IgA and IL-21 in periodontal disease?
4. What is the purpose of your study?
5. Give the classification of periodontal disease?

II Answer ANY FOUR of the following

4X5=20 marks

6. Add a note on initiation and progression of periodontal diseases?
7. What are pentraxins? Explain how they can be used as key disease markers for periodontal diagnosis?
8. Explain briefly the various biomarkers of inflammatory response.
9. Explain the pathogenesis of chronic periodontitis.
10. What is osteoimmunology of periodontal disease?

III Answer ANY TWO of the following

2X10=20 marks

11. Explain in detail the research methodology of your proposed research work.
12. Write an essay on genetic polymorphism in periodontitis?
13. What are the future aspects of the diagnosis of periodontal diseases?

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I Answer the following

5X2=10 marks

1. What is significance of Glycosylated Hb?
2. Define hyperlipidemia and dyslipidemia?
3. What is oxidative stress? Enlist the intracellular antioxidants?
4. What is the purpose of your study?
5. What is modified ATP III Criteria?

II Answer ANY FOUR of the following

4X5=20 marks

6. What are the current perspectives of metabolic syndrome?
7. Explain the clinical impact of type 2 diabetes?
8. Explain briefly the various biomarkers of inflammatory response.
9. Explain the pathophysiology of metabolic syndrome.
10. What is Insulin resistance? Add a note on various causes of insulin resistance.

III Answer ANY TWO of the following

2X10=20 marks

11. Explain in detail the research methodology of your work.
12. Justify how your study will be beneficial.
13. Why are people with diabetes at increased risk for CVD? Explain the mechanism of inflammatory response.