

June-2016

15PHD001

**BLDE UNIVERSITY**

**Pre.Ph.D Course Work Examination**

**Paper II: Background Paper (Biochemistry)**

**QP CODE: 6016**

**Duration : 1 ½ Hours**

**Max.Marks : 50**

**I Answer the following**

**5 x 2 = 10 Marks**

1. Two factors controlling Heart rate.
2. What is Stroke?
3. Give two side effects of Probiotics.
4. What is bacterial vaginosis.
5. What is eczema?

**II Answer ANY FOUR of the following**

**4 x 5 = 20 Marks**

6. Explain arterial stiffness.
7. William Harvey's contribution to medicine.
8. Brief note on Type 2 DM
9. Describe in brief Echocardiography.
10. Explain Nitrosative stress.

**III Answer ANY TWO of the following**

**2 x 10 = 20 Marks**

11. Discuss in brief the inflammatory markers. Add a note on VEGF.
12. Describe in brief the regulation of Blood Pressure. Add a note on importance of probiotics for long term Blood Pressure regulation.
13. Describe in brief the appropriate nutritional supplements for patients with cardiac disorders. Add a note on significance of HDL-Cholesterol.

June - 2016

15PHD003

**BLDE UNIVERSITY**

**Pre.Ph.D Course Work Examination**

**Paper II : Background Paper (Biochemistry)**

**QP CODE : 6016**

**Duration : 1 ½ Hours**

**Max.Marks : 50**

**I Answer the following**

**5 x 2 = 10 Marks**

1. Nickel
2. ECG
3. BP
4. VEGF
5. Oxidative stress

**II Answer ANY FOUR of the following**

**4 x 5 = 20 Marks**

6. Hypoxia regulatory gene
7. Gene expression
8. Western blot technique
9. Hypoxia cell signaling mechanism
10. Hypoxia and nickel

**III Answer ANY TWO of the following**

**2 x 10 = 20 Marks**

11. Explain in detail how your study will be beneficial to medical field
12. Describe in brief about PCR and its application
13. ELISA