

**BLDE UNIVERSITY****Pre.Ph.D Course Work Examination****Paper II: Background Paper (Physiology)****QP CODE: 6002**

Duration : 1 ½ Hours

**I Answer the following**

1. Fibroadenoma
2. Peud e'orange
3. Effect of oestrogen on bone
4. Genetic factors in breast cancer
5. ER and PR receptors

**II Answer ANY FOUR of the following**

6. Role of hormones in normal breast
7. HRT in menopause
8. Synthetic estrogen's
9. Diagnosis of Breast cancer
10. Immunohistochemistry

**III Answer ANY Two of the following**

11. Define and classify Oral contraceptive pills. Describe the mechanism of action and add a note on their adverse effects.
12. Enumerate various receptors on breast tissue. Describe the molecular subtypes of breast cancer. Add a note on Triple negative breast cancer
13. Structure of mammary gland, actions of various hormones on it. add a note on gynaecomastia

June - 2016

15 PHD 005

BLDE UNIVERSITY

Pre.Ph.D Course Work Examination

Paper II : Background Paper (Physiology)

QP CODE - 6002

Duration : 1 ½ Hours

Max.Marks : 50

I Answer the following

5 x 2 = 10 Marks

1. Write Hagen Poiseuille's formula and mention its importance
2. What is gestational diabetes mellitus? Mention its cause
3. Mention the source and functions of Prolactin
4. Write source and functions of HCG
5. List the changes that occur in respiratory system of pregnant woman

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Annexin A2
7. Fetoplacental unit: Definition, diagram and description
8. Capacitation of spermatozoa helps in fertilization of ovum- Explain.
9. Pregnancy induced hypertension: Definition, types and Etiopathogenesis.
10. cAMP as a second messenger.

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. What is arterial BP? Mention components of blood pressure with their normal values. Discuss various regulatory mechanisms of arterial BP.
12. Explain hormonal regulation of human menstrual cycle. Add a note on ovulation.
13. Discuss role of various hormones during pregnancy. Add a note on Relaxin.

June - 2016

BLDE UNIVERSITY

15PHD006

Pre.Ph.D Course Work Examination

Paper II : Background Paper (Physiology)

QP CODE: 6002

Duration : 1 ½ Hours

Max.Marks : 50

**I Answer the following**

**5 x 2 = 10 Marks**

1. What is stroke ?
2. Two factors control blood sugar.
3. What is HIF-1alpha ?
4. Name two antioxidants?
5. What is angina pectoris?

**II Answer ANY FOUR of the following**

**4 x 5 = 20 Marks**

6. Rt-PCR
7. Diabetes mellitus
8. Cilnidipine
9. Cerebral ischemia
10. eNOS

**III Answer ANY TWO of the following**

**2 x 10 = 20 Marks**

11. Describe briefly about the acute myocardial infarction and its management.
12. Describe briefly about the coronary circulations. What is echocardiography ?
13. Describe briefly on regulation of blood pressure and add a note on calcium channel blockers.