

March-2025

# BLDE (DEEMED TO BE UNIVERSITY)

Duration: 1 ½ Hrs.

Max Marks: 50

Pre – Ph.D. Course Work Examination

Paper II: BACKGROUND PAPER (Biochemistry)

QP CODE - 6016

**I. Answer ANY TWO of the following** **2 x 10 = 20 Marks**

1. Explain causes, molecular classification and risk factors of breast cancer
2. Role of phytochemicals in molecular and signaling pathways
3. Development and Validation for AITC based NLC. Add a note on its significance

**II. Answer ANY FOUR of the following** **4 x 5 = 20 Marks**

4. Role of glucosinolates in inhibition of angiogenesis
5. Chemotherapy
6. Tumor markers and growth factors
7. Mammography
8. MTT assay

**III. Answer the following** **5 x 2 = 10 Marks**

9. Molecular markers in Breast Cancer
10. Targeted drug delivery systems in breast cancer therapy.
11. Cell cycle arrest
12. Monoclonal antibodies used as anticancer agents in CA breast
13. Dietary chemopreventive compounds.