

March 2025

BLDE (DEEMED TO BE UNIVERSITY)

Duration: 1 ½ Hrs.

Max Marks: 50

Pre – Ph.D. Course Work Examination

Paper II: BACKGROUND PAPER (Biotechnology)

QP CODE – 6022 (S & T)

- I. Answer ANY TWO of the following** **2 x 10 = 20 Marks**
1. Explain pathway in development of cervical cancer
 2. Role of apoptosis biomarker in development of cervical cancer
 3. Explain about transcriptomic analysis and its importance
- II. Answer ANY FOUR of the following** **4 x 5 = 20 Marks**
4. Anticancer agent
 5. Role of HPV in cervical cancer
 6. Diagnosis of cervical cancer
 7. Development stages of cervical cancer
 8. Secondary metabolite presents in *Phyllanthus niruri*
- III. Answer the following** **5 x 2 = 10 Marks**
9. HeLa cell line
 10. Role of antioxidant in cancer management
 11. Preventative measures of cancer prognosis
 12. Culture and maintainance of cancer cell line
 13. Treatment of cervical cancer