

- All questions are compulsory.
- Draw diagram wherever necessary.
- Figures to right indicate marks.

Q I A EXPLAIN ANY FOUR OF THE FOLLOWING TERMS (08)

- | | | |
|-------------------------|---------------------|-----------------------|
| 1. Pharmacogenomics | 2. Zymotechnology | 3. Biotechnology. |
| 4. White Biotechnology. | 5. ELISA. | 6. Blue biotechnology |
| 7. Red Biotechnology. | 8. Steroid Hormone. | |

Q I B DISCUSS ANY TWO OF THE FOLLOWING QUESTIONS (12)

1. Branches of modern biotechnology.
2. Traditional biotechnology.
3. Nanomedicines.
4. Production of vaccines through biotechnology.

Q II A EXPLAIN ANY FOUR OF THE FOLLOWING TERMS (08)

- | | | |
|----------------------------|-------------------------------|--------------|
| 1. Dark field illumination | 2. Resolving power | 3. Eye piece |
| 4. Numerical Aperture | 5. Condenser | 6. Angstrom |
| 7. Compound Microscope. | 8. Working distance of object | |

Q II B EXPLAIN ANY TWO OF THE FOLLOWING QUESTIONS (12)

1. Light microscope
2. Resolving power
3. Importance of oculars and its types.
4. Diagrammatically explain- Fluorescent microscopy.

Contd...2/-