

2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

IV B.TECH II SEMESTER SUPPLEMENTARY EXAMINATIONS

BIO PHYSICS OF MACROMOLECLES
(BIO-TECHNOLOGY)

APRIL / MAY 2006

TIME: 3 HOUR
MARK: 80

ANSWER ANY FIVE QUESTIONS ALL QUESTIONS CARRY EQUAL MARKS

1. Discuss in detail about the levels of structures in biological macromolecules.
 2. What are the different forces that determine the structure of protein and nucleic acid.
 3. Discuss in detail about polypeptide chains.
 4. How could you predict the structure of protein and nucleic acids.
 5. Write short notes on
 - (a) Geometrics
 - (b) Puckering Forces.
 6. Discuss about the biochemical kinetics studies.
 7. Discuss in detail about neutron scattering.
 8. Write short notes on:
 - (a) Viscometry
 - (b) Light scattering.
- Educationobserver.com