

# Tripura College of Nursing, Agartala



## TMC B.Sc Nursing Exam Pattern

| <b>Subjects</b>            | <b>No. Of Marks</b> |
|----------------------------|---------------------|
| Physics                    | 20 Marks            |
| Chemistry                  | 20 Marks            |
| Biology (Zoology & Botany) | 60 Marks            |
| <b>Total</b>               | <b>100 Marks</b>    |

## TMC B.Sc Nursing Syllabus

### Physics

- Mathematical Methods
- Classical Mechanics
- Relativity
- Atomic
- Molecular Physics
- Condensed Matter Physics
- Thermodynamics
- Statistical Mechanics
- Nuclear and Particle Physics
- Quantum Theory and its Applications
- Electromagnetic Theory
- Electronics
- Experimental Physics

### Chemistry

- General Chemistry

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- Structure of Atom
- Electrochemistry
- Periodicity
- Solid State
- Solutions
- Classification of Elements
- Molecular Structure
- Chemical Bonding
- Surface Chemistry
- Redox Reactions
- Chemical Kinetics
- States of Matter
- Equilibrium
- Thermodynamics
- Processes of Isolation of Elements
- Coordination Compounds
- P, D, F Block Elements
- Hydrogen
- D Block Elements
- Alkali and Alkaline earth metals (S Block)
- Haloarenes
- Alcohols
- Haloalkanes
- Aldehydes
- Phenols
- Ketones
- Ethers
- General Organic Chemistry
- Carboxylic Acids
- Biomolecules
- Hydrocarbons
- Environmental Chemistry
- Amines
- Chemistry in Everyday Life

## **Biology**

- Embryology of angiosperms
- Plant Physiology

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- Biochemistry
- Plant growth and growth hormones
- Ecology
- Pteridophyte
- Gymnosperm
- Morphology of Angiosperm
- Anatomy
- Algae, Fungi
- <https://exams.freshersnow.com/category/entrance-exam-syllabus/>
- Plant Diseases
- Viruses
- Bacteria
- Bryophytes
- Plant Succession
- Environmental Pollution