

## Faculty of Medicine

### B.Sc. Nursing College of Nursing (JNMC)

#### PHYSICS:

Electric Charges and Fields, Electrostatic Potential and Capacitance, Current Electricity, Moving Charges and Magnetism, Magnetism and Matter, Electromagnetic Induction, Electromagnetic Waves, Alternating Current, Electromagnetic Waves, Ray Optics and Optical instruments, Wave Optics, Dual nature of Radiation and Matter, Atoms, Nuclei, Semiconductor Electronics – Electronic Devices, Materials, Devices and Simple Circuits.

#### CHEMISTRY :

Solutions, Electrochemistry, Chemical kinetics, Surface Chemistry, General Principles and Processes of Isolation of Elements, p-Block Elements, d –and f – Block Elements, Coordinator Compounds, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids, Organic Compounds containing Nitrogen Biomolecules.

#### BIOLOGY (Botany & Zoology) :

Reproduction, Genetics and Evolution, Biology and Human Welfare, Biotechnology and its Applications, Ecology and Environment.

As per gazette, the component of the admission test will be as under:

|       |                      |          |
|-------|----------------------|----------|
| (i)   | Aptitude for Nursing | 20 marks |
| (ii)  | Physics              | 20 marks |
| (iii) | Chemistry            | 20 marks |
| (iv)  | Biology              | 20 marks |
| (v)   | English              | 20 marks |

The syllabi of Physics, Chemistry, Biology and English will be as per syllabi of SSSC Examination of CBSE / AMU Board etc.

### NURSING APTITUDE SYLLABUS

The Nursing Aptitude Syllabus has two Sections. This syllabus is specially designed for the candidates who wish to appear for B.Sc. Nursing Programme.

#### SECTION – A

1. Nursing profession in India
2. Duties of a professionally qualified nurse
3. Qualities of a professionally qualified nurse

4. Scope of nursing profession
5. Professional etiquettes & attires
6. Various important department of a hospital
7. Various types of Medical Specialist, such as specialist of specific medical speciality e.g. Gastroenterologist, orthopedic surgeon, oncologist, cardiologist, ophthalmologist, neurologist, neurologist etc.
8. Alternative & complementary therapies
9. Important symbols and sign used in Hospital
10. Communicable and non-communicable diseases
11. Disaster management
12. First aid of common ailments
13. Personal hygiene
14. Environmental hygiene
15. Study habits.

## **SECTION – B**

1. Analytic reasoning (Visual, numerical, verbal and mental ability)
2. Current general affairs.