

TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION,
HYDERABAD

ACADEMIC YEAR 2020-2021

30% DELETED CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 2nd YEAR PHYSICS SYLLABUS

CHAPTER – 1: WAVES

1.8 Doppler Effect

CHAPTER– 2: RAY OPTICS AND OPTICAL INSTRUMENTS

2.2 Reflection of light by Spherical Mirrors

2.8.2 Scattering of light

CHAPTER – 3: WAVE OPTICS

3.6.3 Resolving power of optical instruments

3.7 Polarization

CHAPTER – 4: ELECTRIC CHARGES AND FIELDS

4.15.3 Field due to a uniformly charged thin spherical shell

CHAPTER– 5: ELECTROSTATIC POTENTIAL AND CAPACITANCE

5.16 Van de Graaf generator

CHAPTER – 6: CURRENT ELECTRICITY

6.7 Resistivity of various Materials

6.10 Combination of resistors-series and parallel

CHAPTER – 7: MOVING CHARGES AND MAGNETISM

7.4 Motion in combined electric and magnetic fields

CHAPTER – 8: MAGNETISM AND MATTER

8.2.2 Bar Magnet as a equivalent solenoid

8.2.3 The dipole in a uniform magnetic field

8.6 Magnetic properties of materials

8.7 Permanent magnets and electromagnets

CHAPTER – 9: ELECTROMAGNETIC INDUCTION

No deletions

CHAPTER – 10: ALTERNATING CURRENT

10.7 Power in AC Circuit: The Power Factor

CHAPTER – 11: ELECTRO MAGNETIC WAVES

11.2 Displacement Current

CHAPTER–12: DUAL NATURE OF RADIATION AND MATTER

12.9 Davisson and Germer Experiment

CHAPTER–13: ATOMS

No deletions

CHAPTER–14: NUCLEI

14.4.2 Nuclear Binding energy

14.6 Radioactivity

CHAPTER–15

SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS

15.8.1 Zener diode

15.9.3 Transistor as a device

15.9.4 Transistor as an amplifier (CE configuration)

15.9.5 Feedback amplifier and transistor oscillator

CHAPTER– 16: COMMUNICATION SYSTEMS

No deletions

Deleted Experiments of Second Year Practicals

1. Concave mirror
2. Tangent galvanometer
3. Characteristics of transistor