

# JEE MAINS 2022 SYLLABUS

## PHYSICS:

PHYSICS	CHAPTER NAMES
SECTION A	<ul style="list-style-type: none"><li>• PHYSICS AND MEASUREMENT</li><li>• ROTATIONAL MOTION</li><li>• THERMODYNAMICS</li><li>• KINEMATICS</li><li>• WORK, ENERGY AND POWER</li><li>• PROPERTIES OF SOLIDS AND LIQUIDS</li><li>• GRAVITATION</li><li>• LAWS OF MOTION</li><li>• OSCILLATIONS AND WAVES</li><li>• ELECTRONIC DEVICES</li><li>• KINETIC THEORY OF GASES</li><li>• CURRENT ELECTRICITY</li><li>• COMMUNICATION SYSTEMS</li><li>• ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS</li><li>• MAGNETIC EFFECTS OF CURRENT AND MAGNETISM</li><li>• OPTICS</li><li>• ELECTROMAGNETIC WAVES</li><li>• ATOMS AND NUCLEI</li><li>• ELECTROSTATICS</li><li>• DUAL NATURE OF MATTER AND WAVES</li></ul>
SECTION B	<ul style="list-style-type: none"><li>• EXPERIMENTAL SKILLS</li></ul>

<b>PHYSICAL CHEMISTRY</b>	<ul style="list-style-type: none"><li>• SOME BASIC CONCEPTS IN CHEMISTRY</li><li>• STATES OF MATTER</li><li>• ATOMIC STRUCTURE</li><li>• CHEMICAL BONDING AND MOLECULAR STRUCTURE</li><li>• CHEMICAL THERMODYNAMICS</li><li>• SOLUTIONS</li><li>• EQUILIBRIUM</li><li>• REDOX REACTIONS AND ELECTROCHEMISTRY</li><li>• CHEMICAL KINETICS</li><li>• SURFACE CHEMISTRY</li></ul>
<b>ORGANIC CHEMISTRY</b>	<ul style="list-style-type: none"><li>• PURIFICATION AND CHARACTERISATION OF ORGANIC</li><li>• HYDROCARBONS</li><li>• CHEMISTRY IN EVERYDAY LIFE</li><li>• PRINCIPLES RELATED TO PRACTICAL CHEMISTRY</li><li>• ORGANIC COMPOUNDS CONTAINING HALOGENS</li><li>• ORGANIC COMPOUNDS CONTAINING OXYGEN</li><li>• ORGANIC COMPOUNDS CONTAINING NITROGEN</li><li>• POLYMERS</li><li>• SOME BASIC PRINCIPLES OF ORGANIC CHEMISTRY</li><li>• BIOMOLECULES</li></ul>
<b>INORGANIC CHEMISTRY</b>	<ul style="list-style-type: none"><li>• CLASSIFICATION OF ELEMENTS AND PERIODICITY IN</li><li>• HYDROGEN</li><li>• BLOCK ELEMENTS (ALKALI AND ALKALINE EARTH METALS)</li><li>• D- AND F - BLOCK ELEMENTS</li><li>• CO-ORDINATION COMPOUNDS</li><li>• ENVIRONMENTAL CHEMISTRY</li><li>• GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF METALS</li></ul>