



**GAYATRI VIDYA PARISHAD**  
**COLLEGE FOR DEGREE AND PG COURSES (AUTONOMOUS)**  
*Affiliated to Andhra University | | Accredited by NAAC and NBA*  
**VISAKHAPATNAM**  
**DEPARTMENT OF ORGANIC CHEMISTRY**

**M.Sc. (FINAL) CHEMISTRY SYLLABUS**  
**SEMESTER-III, PAPER-VIII (-)-INTELLECTUAL PROPERTY RIGHTS (IPR)**  
**(Effective from the admitted batch of 2022-2023)**

<b>Credits: 2</b>		<b>Theory: 2 Hours</b>
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**UNIT 1-Patents**

**[10 hours]**

Introduction and the need for intellectual property right (IPR) - Kinds of Intellectual Property Rights: Patent, Copyright, Trade Mark, Design, Geographical Indication, Plant Varieties and Layout Design – Genetic Resources and Traditional Knowledge – Trade Secret - IPR in India.

**UNIT 2-Copyrights**

**[10 hours]**

Patents - Elements of Patentability: Novelty, Non-Obviousness (Inventive Steps), Industrial Application - Non - Patentable Subject Matter - Registration Procedure, Rights and Duties of Patentee, Assignment and licence, Restoration of lapsed Patents, Surrender and Revocation of Patents.

**UNIT 3-Trademarks**

**[10 hours]**

Concept of Trademarks - Different kinds of marks (brand names, logos, signatures, symbols, well known marks, certification marks and service marks) – Non-Registrable Trademarks - Registration of Trademarks - Rights of holder and assignment and licensing of marks - Infringement, Remedies & Penalties - Trademarks registry and appellate board.

**Books:**

1. Nithyananda, K V. (2019). Intellectual Property Rights: Protection and Management. India, IN: Cengage Learning India Private Limited.
2. Neeraj, P., & Khusdeep, D. (2014). Intellectual Property Rights. India, IN: PHI learning Private Limited.

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