

Roll No																			
---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Even Semester Mid Term, March 2026

Date: 10/03/2026

Time: 11:45 AM - 01:15 PM

Course Code: LAW4085

Course Name: Patent Drafting and Specification Writing

Semester: Eight Semester

Max. Marks: 50

Weightage: 50%

CO - Levels	CO1	CO2
Marks	30	60

PART-A: Answer Following Questions. 10 M

Qn.No	Questions	M	CO	BT
1	Define a Complete Specification and state its essential components.	2	CO1	BT2
2	Describe the purpose of claims in a patent specification.	2	CO1	BT2
3	Explain the difference between an Independent Claim and a Dependent Claim.	2	CO1	BT3
4	Define a Markush Claim and in which type of inventions is it commonly used?	2	CO1	BT2
5	State criteria of "Inventive Step" and how should it be reflected in claim drafting?	2	CO1	BT3

PART-B: Answer Any 1 Following Questions. 10 M

Qn.No	Questions	M	CO	BT
6	<p>An inventor develops a smart irrigation system that uses soil moisture sensors and AI-based weather prediction to automatically regulate water supply to crops. The system is still under testing, and the inventor wants to file a provisional application immediately to secure priority.</p> <p>Draft the essential contents of a Provisional Specification for this invention.</p> <p>Discuss the title, field of invention, and background, and describe the invention sufficiently to secure priority while keeping the scope broad and details should and should not be included at the</p>	10	CO2	BT3

	provisional stage.			
7	<p>A company invents an augmented reality headset for school students that overlays interactive 3D educational content aligned with textbooks. Software modules are under refinement.</p> <p>Draft a Provisional Specification that secures priority over both hardware and software aspects. Discuss the consequences of insufficient disclosure at the provisional stage.</p>	10	CO2	BT3

PART-C: Answer Any 1 Following Questions. 10 M

Qn.No	Questions	M	CO	BT
8	<p>An inventor filed a provisional application for a drone used in agriculture. The drone includes pesticide spraying arms, crop-health imaging sensors, and a GPS-based automated navigation system. During further development, the inventor added a real-time disease detection module using AI and a variable spray control system based on crop density.</p> <p>The inventor now intends to file the Complete Specification.</p> <p>Draft the essential components of the Complete Specification including Title, Field of Invention, Background, Objects of Invention, Summary, Detailed Description, and Claims.</p> <p>Explain how the improvements made after the provisional filing should be incorporated without losing priority.</p>	10	CO2	BT3
9	<p>A biomedical startup develops a wearable cardiac monitor capable of detecting arrhythmias and transmitting emergency alerts to hospitals. The invention includes a sensor array, signal-processing circuitry, wireless communication module, and a mobile application interface.</p> <p>Draft the complete specification, including a clear statement of invention and properly structured claims. Explain how you would draft claims to protect both device and system aspects.</p>	10	CO2	BT3

PART-D: Answer Any 1 Following Questions. 10 M

Qn.No	Questions	M	CO	BT
10	<p>An inventor develops a warehouse robot with obstacle detection, automated shelving alignment, and battery-swapping functionality. The robot integrates mechanical systems with AI navigation software.</p> <p>Prepare a complete specification with a detailed description and at least three claims. Analyze the unity of invention and how to avoid plurality objections.</p>	10	CO1	BT4

11	<p>A patent claim reads: "A device comprising suitable means for controlling temperature." The Registrar objects that the claim lacks clarity and precision.</p> <p>Discuss the requirement of definiteness in claim drafting. What corrective measures should be taken? Evaluate the Registrar's duty in ensuring clarity and precision in granted patents.</p>	10	CO1	BT3
----	--	----	-----	-----

PART-E: Answer Any 1 Following Questions. 10 M

Qn.No	Questions	M	CO	BT
12	<p>An inventor deliberately withholds the most efficient manufacturing process while filing the Complete Specification.</p> <p>Discuss the legal implications of failure to disclose the best method. Discuss whether the Registrar revoke or refuse the application? Explain the Registrar's responsibility during examination.</p>	10	CO2	BT5
13	<p>Explain how compulsory licensing operates after patent registration.</p> <p>Discuss how patent registration balance private monopoly with public interest?</p>	10	CO2	BT2