

## **DEPARTMENT OF PARAMEDICAL SCIENCES**

### **RUBRIC FOR INTERNSHIP / CLINICAL POSTING**

**OBJECTIVE:**

To assess a student's ability to apply theoretical knowledge in practical settings, operate laboratory instruments, follow safety norms, and exhibit professional behaviour.

<b>Assessment Type</b>	<b>Total Marks</b>	<b>Overall Weightage (%)</b>
<b>Internal Assessment</b> (Continuous & Supervisor-based)	60	60%
<b>External Assessment</b> (Final Exam/Viva-based)	40	40%
<b>Grand Total</b>	<b>100</b>	<b>100%</b>

**1. Internal Assessment (Total Marks: 60)**

This section accounts for **60%** of the final grade and is typically assessed by the site supervisor, focusing on continuous performance and documentation.

<b>Criteria</b>	<b>Description</b>	<b>Marks Allotted</b>	<b>Weightage (%)</b>
<b>Technical Skills</b>	Daily competence in performing lab procedures.	20	33.33%
<b>Project Synopsis</b>	Evaluation of the student's mini-project report/synopsis (content, organization, relevance).	15	25.00%
<b>Record Keeping</b>	Accuracy, completeness, and timeliness of lab documentation and logbook.	10	16.67%
<b>Ethics &amp; Safety</b>	Consistent adherence to ethical standards, biosafety, and lab safety protocols.	10	16.67%
<b>Problem Solving</b>	Effectiveness in troubleshooting routine lab issues.	5	8.33%
<b>Sub-Total</b>		<b>60</b>	<b>100.00%</b>

## 2. External Assessment (Total Marks: 40)

This section accounts for **40%** of the final grade and is typically assessed by an external examiner or faculty during a final evaluation.

<b>Criteria</b>	<b>Description</b>	<b>Marks Allotted</b>	<b>Weightage (%)</b>
<b>Technical Skills</b>	Final practical demonstration/skill test performance.	10	25.00%
<b>Quality of Work</b>	Precision, accuracy, and reliability of test results produced during the external practical/viva.	10	25.00%
<b>Viva Voce</b>	Oral examination covering core concepts, internship experience, and project defense.	10	25.00%
<b>Professionalism</b>	Presentation, discipline, and demeanor during the final evaluation.	5	12.50%
<b>Teamwork &amp; Communication</b>	Ability to articulate procedures clearly and communicate effectively with the examiner.	5	12.50%
<b>Sub-Total</b>		<b>40</b>	<b>100.00%</b>

## SUMMARY OF FINAL MARK DISTRIBUTION (TOTAL: 100)

<b>Criteria</b>	<b>Internal Assessment (Out of 60)</b>	<b>External Assessment (Out of 40)</b>	<b>Total Marks (Out of 100)</b>
<b>Technical Skills</b>	20	10	30
<b>Project Synopsis</b>	15	0	15
<b>Record Keeping</b>	10	0	10
<b>Ethics &amp; Safety</b>	10	0	10
<b>Problem Solving</b>	5	0	5
<b>Quality of Work</b>	0	10	10
<b>Viva Voce</b>	0	10	10
<b>Professionalism</b>	0	5	5
<b>Teamwork &amp; Communication</b>	0	5	5
<b>GRAND TOTAL</b>	<b>60</b>	<b>40</b>	<b>100</b>

## **EVALUATION CRITERIA (RUBRIC)**

### 1. Internal Assessment Criteria (Total: 60 Marks)

<b>Criteria (Marks)</b>	<b>Excellent (Score Range)</b>	<b>Good (Score Range)</b>	<b>Average (Score Range)</b>	<b>Poor (Score Range)</b>
<b>Technical Skills (20)</b>	<b>15-20:</b> Performs all required procedures independently, flawlessly, and efficiently. Rarely requires supervision.	<b>10-14:</b> Performs most procedures accurately with occasional minor errors; occasionally seeks assistance for complex tasks.	<b>5-9:</b> Needs regular supervision for common tasks; performance is often slow or contains significant correctable errors.	<b>0-4:</b> Requires constant supervision; demonstrates fundamental gaps in technique and struggles to complete basic tasks.
<b>Project Synopsis (15)</b>	<b>12-15:</b> Synopsis is well-researched, clearly written, original, and demonstrates a deep understanding of the topic and methodology.	<b>9-11:</b> Synopsis is competent and relevant, but may lack depth in analysis or originality; writing is clear and structured.	<b>5-8:</b> Synopsis is weak in structure and analysis; topic is simple or poorly defined; contains some factual or methodological errors.	<b>0-4:</b> Synopsis is incomplete, largely copied, irrelevant to the internship, or demonstrates a severe lack of effort/understanding.
<b>Record Keeping (10)</b>	<b>9-10:</b> Records (Logbook/Documents) are accurate, complete, perfectly organized, and meticulously updated daily.	<b>7-8:</b> Records are consistently accurate and mostly complete; minor lapses in organization or updating frequency.	<b>5-6:</b> Records are often incomplete or messy; contains minor but noticeable errors; supervisor often needs to prompt for updates.	<b>0-4:</b> Records are frequently inaccurate or missing; fails to maintain a proper logbook; significant errors in documentation.
<b>Ethics &amp; Safety (10)</b>	<b>9-10:</b> Exemplary adherence to all biohazard, safety protocols (SOPs), and ethical guidelines without fail; proactively corrects safety hazards.	<b>7-8:</b> Consistently follows safety rules and ethical practices; minor, infrequent, or inadvertent lapses corrected immediately.	<b>5-6:</b> Occasionally neglects SOPs or safety guidelines; sometimes demonstrates poor judgment regarding patient confidentiality or lab ethics.	<b>0-4:</b> Repeatedly violates critical safety rules; demonstrates a casual attitude towards biohazards or ethical responsibilities.
<b>Problem Solving (5)</b>	<b>5:</b> Successfully identifies, troubleshoots, and resolves complex technical issues or unusual results independently and effectively.	<b>4:</b> Identifies most problems and proposes logical solutions, though sometimes requires guidance for implementation.	<b>3:</b> Can identify obvious problems but usually requires assistance from the supervisor to diagnose the root cause or find a solution.	<b>0-2:</b> Fails to recognize errors or anomalies; relies entirely on the supervisor to identify and solve problems.

## 2. External Assessment Criteria (Total: 40 Marks)

Criteria (Marks)	Excellent (Score Range)	Good (Score Range)	Average (Score Range)	Poor (Score Range)
<b>Technical Skills (10)</b>	<b>9-10:</b> Performs the assigned practical test/demonstration with high speed, accuracy, and excellent technique; demonstrates mastery.	<b>7-8:</b> Performs the practical test competently with good technique; results are accurate but execution may be slightly slow or require one prompt.	<b>5-6:</b> Struggles with some steps of the procedure; requires several prompts; technique is flawed, but the final result is within an acceptable range.	<b>0-4:</b> Unable to perform the test independently; technique is poor and/or the final result is critically inaccurate or unattainable.
<b>Quality of Work (10)</b>	<b>9-10:</b> Results are consistently precise and accurate; full understanding of Quality Control (QC) and calibration procedures is demonstrated.	<b>7-8:</b> Results are reliable; demonstrates good knowledge of QC, though may miss a minor step in the QC/instrument check process.	<b>5-6:</b> Results are occasionally erratic or outside the acceptable range; knowledge of QC is theoretical but not flawlessly applied practically.	<b>0-4:</b> Results are highly inaccurate or unreliable; demonstrates little understanding of QC principles or how to ensure result validity.
<b>Viva Voce (10)</b>	<b>9-10:</b> Answers all questions fluently, precisely, and confidently, linking theory to practical experience; defends the project effectively.	<b>7-8:</b> Answers most questions correctly with good depth; occasional hesitation or minor inaccuracies; project understanding is solid.	<b>5-6:</b> Answers are often superficial or hesitant; struggles to connect theoretical knowledge to practical application; project defense is weak.	<b>0-4:</b> Fails to answer fundamental questions; demonstrates significant gaps in knowledge; unable to articulate internship or project work.
<b>Professionalism (5)</b>	<b>5:</b> Exemplary in dress, demeanor, and respectful conduct; maintains composure and communicates with clarity throughout the assessment.	<b>4:</b> Appropriate and respectful conduct; good presentation, though minor nervousness or lack of smooth communication observed.	<b>3:</b> Presentation/dress is border line or below standard; appears nervous or distracted; communication is difficult to follow.	<b>0-2:</b> Highly unprofessional conduct or attire; disruptive or disrespectful behavior; completely shuts down under pressure.
<b>Teamwork &amp; Communication (5)</b>	<b>5:</b> Outstanding ability to clearly explain procedures and findings to the examiner; demonstrates excellent interpersonal skills.	<b>4:</b> Clear, concise communication; can explain procedures well, but might struggle with questions outside the immediate scope.	<b>3:</b> Communication is acceptable but verbose or vague; struggles to articulate thoughts logically under time constraints.	<b>0-2:</b> Communication is extremely poor, inarticulate, or misleading; unable to listen to or follow instructions from the examiner.