

# Hamdard Institute of Medical sciences and Research

## DEPARTMENT OF PHARMACOLOGY

### Electives

1	Name of the Elective	<b>“Prescription Audit”</b>
2	Block	
3	Department /Area	Pharmacology
4	Name of the Mentor/ Supervisor/ Incharge	Dr Nusrat Nabi, Assistant Professor, Department of Pharmacology, HIMSR& HAHCH
5	Co Supervisor/s	Prof. Razi Ahmad, Professor & Head, Department of Pharmacology, HIMSR& HAHCH
6	No. of students’ intake	05
	Method of selection (if applicable)	Interview to determine a candidate's core understanding and interest in prescription audit.
7	Objectives	<b>Primary objective:</b> <ul style="list-style-type: none"><li>• To guide undergraduate students to attain competence in conducting prescription audits, using the WHO “Core Prescribing Indicators” and “Antibiotic Review Form”.</li></ul> <b>Secondary objectives:</b> <ul style="list-style-type: none"><li>• To evaluate adherence to good prescribing practices.</li><li>• To assess the rationality of drugs prescribed.</li><li>• To detect medication errors (ME) and their reasons.</li><li>• To detect the irrational use of antibiotics.</li><li>• To assess compliance to national standard treatment guidelines.</li></ul>
8	Expected outcomes	<b>Primary expected outcome:</b> <ul style="list-style-type: none"><li>• Competence in conducting and interpreting the results of prescription audits using standard tools.</li></ul> <b>Secondary expected outcomes:</b> <ul style="list-style-type: none"><li>• Positive change in practices and attitude towards good prescribing practices and rational use of antibiotics.</li></ul>

		<ul style="list-style-type: none"> <li>• Clear concepts on the basic principles of good prescribing practices and evidence based rational use of drugs.</li> <li>• Knowledge about basic and standard tools for prescription audit/ antibiotic review.</li> <li>• Orientation on antimicrobial stewardship and National Standard Treatment Guidelines, and its application.</li> <li>• Sensitization on medication errors and their causes.</li> <li>• Compilation and interpretation of audit results, thereafter identifying the corrective and preventive measures (CAPA) at the facility level.</li> </ul>
9	Assessment (Total 50 marks)	<ol style="list-style-type: none"> <li>1. Multiple choice question (MCQ) exam. (10 marks)</li> <li>2. Number of prescriptions and departments reached. (10 marks)</li> <li>3. Quality of prescription audits and interaction with the prescribers. (10 marks)</li> <li>4. Presentation of audit results. (10 marks)</li> <li>5. Attendance and Log book. (10 marks)</li> </ol>
10	Log book format	<ul style="list-style-type: none"> <li>• Audit orientation short lectures attendance.</li> <li>• Regular entry of audit data; <ol style="list-style-type: none"> <li>1) Prescription audit proforma</li> <li>2) Medication error checklist</li> <li>3) Antibiotic review form</li> <li>4) Audit results (tables &amp; graphs)</li> </ol> </li> </ul>