

SECTION 1: APPRAISAL OF PERFORMANCE CRITERIA

Manufacturing Pharmacist Interns Sectoral Experience Assessment form - After the completion of a period of not less than 400 hours of practical training in a Community or Institutional (Hospital) Pharmacy

PERFORMANCE CRITERIA		Evidence indicates that intern requires further training or experience to reach the required standard	Evidence demonstrates that intern consistently achieves the required standard with little or no intervention	Evidence demonstrates that intern consistently achieves the required standard with little or no intervention
The intern demonstrates the ability to -		Choose appropriate box		
A	MANUFACTURE AND COMPOUND MEDICINES			
1	Demonstrate a working knowledge of the process involved in the production of different dosage forms	0	1	3
2	Demonstrate proficiency in the skills and techniques required in the production of different dosage forms	0	1	3
3	Organise resources and prepare the production process in accordance with standard operating procedures	0	1	3
4	Perform line-opening and line clearance procedures prior to the start of a production run	0	1	3
5	Demonstrate a working knowledge of calibration, operation and preventative maintenance of production equipment	0	1	3
6	Correctly select each ingredient in terms of the formula or prescription to be manufactured/compounded	0	1	3
7	Calculate accurately and measure each ingredient	0	1	3
8	Apply the correct procedures for mixing and preparing the product	0	1	3
9	Select and/or prepare the correct packaging, containers and closures for the prepared product	0	1	3
10	Correctly repackage and label unit doses from a bulk supply of drugs taking all the appropriate precautions and processes into account	0	1	3
11	Prepare or select the correct label for the prepared product.	0	1	3
12	Ensure that in-process control, quality testing and quality awareness is maintained throughout the manufacturing process	0	1	3
13	Demonstrate an understanding and working knowledge of the validation of quality assurance procedures	0	1	3
14	Apply good manufacturing practices in the manufacturing, compounding and packaging of pharmaceutical products	0	1	3
15	Demonstrate the ability to apply pharmacist interventions in the manufacturing process	0	1	3
16	Demonstrate a working knowledge of release procedures for raw materials, packaging materials, intermediates and finished products	0	1	3
B	PROCURE, STORE AND DISTRIBUTE PHARMACEUTICAL PRODUCTS	0	1	3
1	Identify drugs in the pharmacy or institution that are light, moisture or temperature sensitive and describe the requirements of the cold chain for temperature sensitive drugs	0	1	3
2	Describe the correct storage conditions in the pharmacy or institution for drugs that are light, moisture or temperature sensitive	0	1	3
3	State what precautions should be taken and procedures used when handling caustic, poisonous and flammable substances	0	1	3
4	Name reference sources where information on drug stability, the treatment of poisoning and packaging of light, moisture or temperature sensitive drugs can be found	0	1	3

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The intern demonstrates the ability to -		Choose appropriate box		
5	Calculate raw material consumption rates in the manufacturing facility for a given drug over a given period	0	1	3
6	Describe drug re-ordering procedures and identify suppliers in terms of policies of the pharmacy or institution	0	1	3
7	Demonstrate the ability to check correctly the receipt of a drug order from a supplier, using the invoice, packing slip or purchase order, and add these drugs to the stock records of the institution	0	1	3
8	Demonstrate the ability to correctly retrieve raw materials from the quarantine storeroom	0	1	3
9	Demonstrate a working knowledge of the receiving and issuing of raw materials and finished goods to and from the warehouse	0	1	3
10	Demonstrate the ability to ensure the security of drugs in the manufacturing facility, storerooms or warehouse	0	1	3
11	Describe distribution policies and procedures in the manufacturing plant necessary to ensure the quality of manufactured pharmaceuticals	0	1	3
12	Demonstrate an understanding of the concepts of quarantine, approval, rejection, stock rotation and storage within the pharmaceutical manufacturing processes	0	1	3
13	Supervise technical support staff in the manufacturing and distribution processes	0	1	3
14	Describe procedures applied for the handling of product complaints and reports of ADRs	0	1	3
15	Describe procedures to be undertaken with product recalls in the pharmaceutical industry	0	1	3
C	PARTICIPATE IN RESEARCH TO ENSURE THE OPTIMAL USE OF MEDICINE	0	1	3
1	Collect data relevant to the registration of medicines	0	1	3
2	Compile a medicines registration application form for submission to the Medicines Control Council	0	1	3
3	Maintain and update documentation for product licences	0	1	3
4	Interpret and draw valid conclusions on data collected on manufacturing methodologies and quality assurance on raw materials and finished products	0	1	3
5	Collate and analyse data obtained in sampling systems and test criteria employed in the manufacturing process	0	1	3
6	Demonstrate an understanding of the development of new formulations	0	1	3
7	Demonstrate an understanding of the development and validation of analytical methods in quality assurance	0	1	3
8	Demonstrate an understanding of stability testing of finished products and the validation of shelf-life	0	1	3
9	Solve problems related to stability, quality assurance and the handling and storage precautions in the manufacture of medicines	0	1	3
D	PROVIDE MEDICINE INFORMATION AND EDUCATION AND PROMOTE COMMUNITY HEALTH	0	1	3
1	Provide evidence of the ability to communicate effectively with health care professionals and patients on matters relating to the medicine needs of the patient	0	1	3
2	Describe in lay terms the meaning of commonly used pharmaceutical and medical terms used in discussing	0	1	3

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The intern demonstrates the ability to -		Choose appropriate box		
	clinical, diagnostic or treatment regimens with other health care professionals			
3	Demonstrate the ability to provide consumers with information on a number of aspects relating to health, medicines and healthy life-styles in the South African context			
4	Demonstrate the ability to provide information to the community on relevant health matters	0	1	3
5	Demonstrate the ability to provide information regarding disease states, the nature and use of drugs and general health matters to the patient, caregiver, other health care professionals and other role-players	0	1	3
6	Demonstrate the ability to initiate and/or participate in the provision of health care education and information to the community	0	1	3
7	Interpret scientific information and provide information to the consumer and health care professionals on rational drug usage to ensure the optimal use of medicines	0	1	3
8	Demonstrate the ability to provide information on national health matters such as immunisation, HIV/AIDS etc	0	1	3
E	PRACTISE PHARMACY IN A PROFESSIONAL AND ETHICAL MANNER	0	1	3
1	Provide evidence of the ability to act in an ethical and professional manner within the provisions of applicable legislation in the activities of the pharmacist intern	0	1	3
2	Provide the tutor pharmacist with reasons why patient information must be kept confidential	0	1	3
3	Explain what actions may result in the institution of disciplinary action against the pharmacist intern by the pharmacy, institution or statutory council	0	1	3
4	Describe the legal requirements in terms of the legislation relating to pharmacy that specifically affect any of the intern's responsibilities	0	1	3
5	Describe any special procedures and documentation required for the handling of: <ul style="list-style-type: none"> • Scheduled medicines, and in particular Schedule 6 and 7 medicines; • specialised medicines including cold chain management 	0	1	3
6	Describe the legal requirements with regard to dispensing functions that may only be performed by a pharmacist	0	1	3

SECTORAL ASSESSMENT

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LEVELS OF PERFORMANCE			
Below the required standard	Meets the required standards with supervision:	Meets the required standards:	Merit:
<ul style="list-style-type: none"> The intern fails to complete duties to a minimum acceptable level 	<ul style="list-style-type: none"> The intern performs duties to an acceptable level with considerable guidance and supervision. Much improvement is required to demonstrate competence. 	<ul style="list-style-type: none"> The intern is responsible and perform duties with a minimum of supervision and consistently achieves acceptable levels of competence 	<ul style="list-style-type: none"> The intern performs duties with distinction and consistently achieves a standard beyond that expected at this stage of the pre-registration period.
<ul style="list-style-type: none"> The intern's conduct or attitude is unsatisfactory, or 			
<ul style="list-style-type: none"> The intern fails to act on constructive guidance and counselling 			

SECTION 4: GENERAL COMMENTS

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Comments of Tutor	

Comments of Pharmacist who performed assessment	

Comments of Pharmacist Intern	

Signatures											
Signature of pharmacist supervising training in community or hospital pharmacy		Date			/			/	2	0	
Signature of Tutor		Date			/			/	2	0	
Signature of Intern		Date			/			/	2	0	