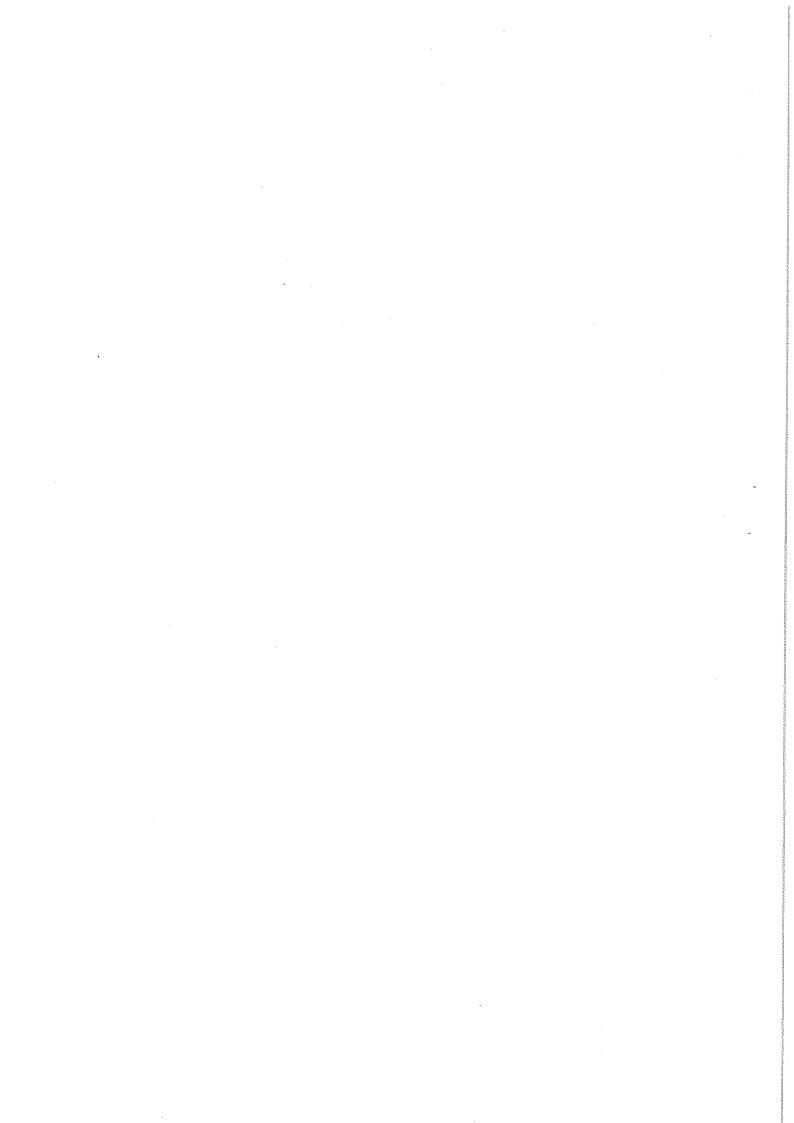
BACHELOR OF PHARMACY HONOURS FMU5207 INTRODUCTION TO PHARMACEUTICAL RESEARCH / FMU5210 RESEARCH METHODOLOGY – LEVEL 5

FINAL EXAMINATION

DURATION: TWO (02) HOURS

DATE: 11 TH MARCH 2022	TIME: 2.00 P.M	– 04.00 P.M.
Part B – 02 SAQs (20 Marks)		
1.		
1.1 State three (03) main characteristics of a r		(03 marks)
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1.2 What are the five (05) main steps in resea	rch?	(05 marks)
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1.3 Name two (02) characteristics of a good		(02 marks)
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2.		
2.1 Differentiate qualitative and quantitative	research studies.	(04 marks)
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2.2		
What is "external validity" of research?	(02 marks)	
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2.3 What is "internal validity" of research?	(02 marks)	
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	and the property taken to be a constant.	
2.4 Give one factor each that will compromise the	ne internal and external validity of a research. (02 marks)	
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Part C - 02 SEQs (60 Marks)

1.

- 1.1 Name four (04) important factors that you should consider in developing a questionnaire for your research. (08 marks)
- 1.2 Name four (04) characteristics of a good questionnaire.

(08 marks)

- 1.3 Assume that you are supposed to use a questionnaire developed in another country for a similar study as yours. What are the important things you should consider when you have planned to use/adapt that questionnaire? (04 marks)
- 1.4 What ethical concerns should you consider in a research study that involves human participants? (10 marks)

2.

A pharmacist in a hospital conducts research on the impact of a 'patient education leaflet' on improving the method of use of insulin by patients with diabetes. The researcher evaluates the patient's knowledge in using insulin before and after administering the education'-leaflet using a structured interview.

- 2.1 Formulate the research question of the above investigation. (05 marks)
- 2.2 Write the general objective and two (02) specific objectives for this research. (10 marks)
- 2.3 Write the hypotheses (alternate and null hypotheses) those you are going to test in this research. (05 marks)
- 2.4 What is the best study design you would choose to conduct the above study and give the reasons for your selection. (10 marks)