

**BACHELOR OF PHARMACY HONOURS
FMU5207 INTRODUCTION TO PHARMACEUTICAL RESEARCH /
FMU5210 RESEARCH METHODOLOGY – LEVEL 5
FINAL EXAMINATION
DURATION: TWO (02) HOURS**

DATE: 11TH 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 research. (03 marks)

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1.2 What are the five (05) main steps in research? (05 marks)

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1.3 Name two (02) characteristics of a good research question. (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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2.4 Give one factor each that will compromise the 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)