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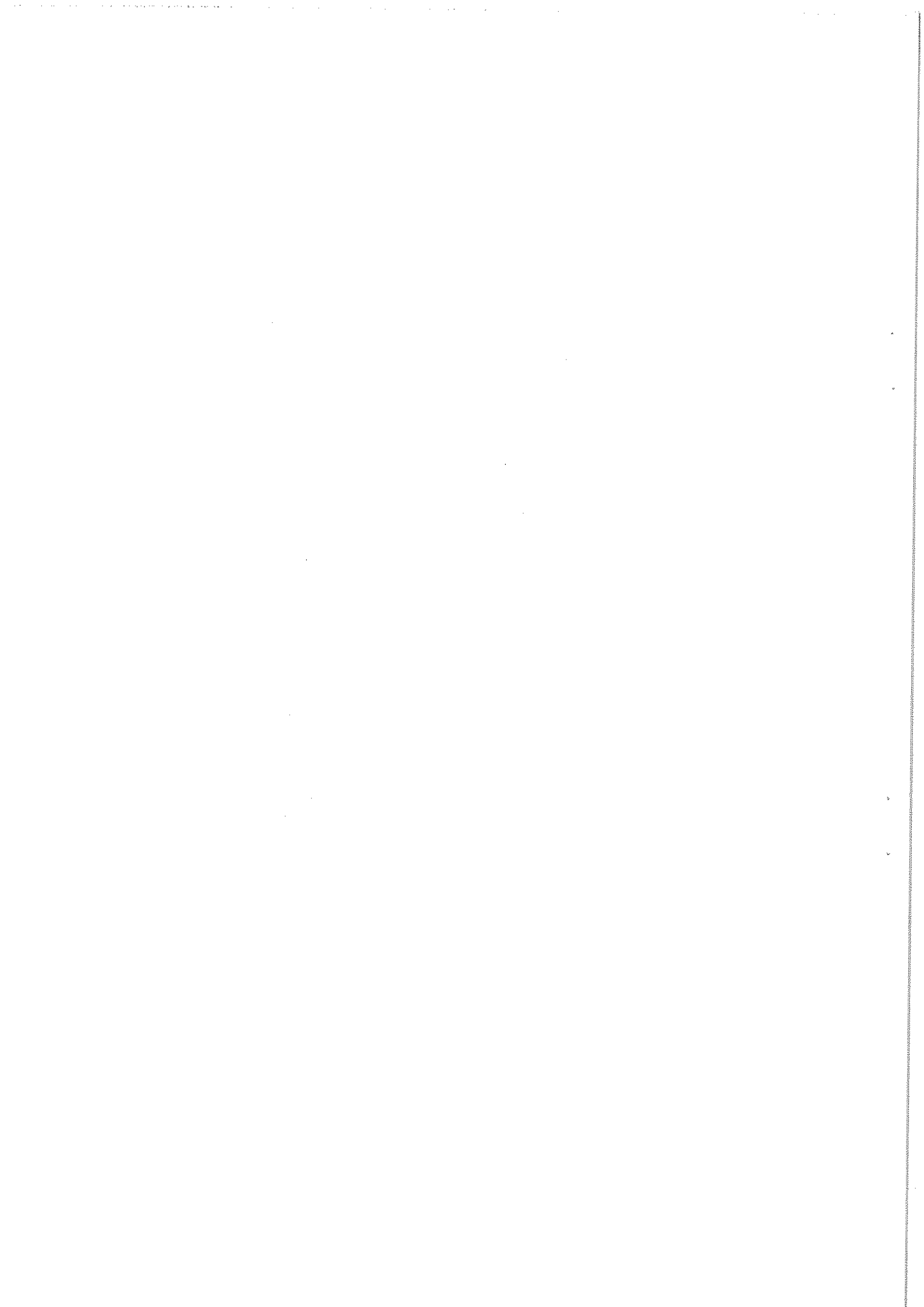
THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
ACADEMIC YEAR 2019/2020 – SEMSETER I

BACHELOR OF PHARMACY HONOURS
BPU3136 – INTRODUCTION TO HEALTH RESEARCH – LEVEL 5
FINAL EXAMINATION
DURATION: TWO (02) HOURS

DATE: 21ST SEPTEMBER 2020

TIME: 1.30 P.M. – 03.30 P.M.

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Part B – 02 SAQs (30 marks)

1.

1.1 Name two (02) main characteristics of research. (02 marks)

i).....
.....

ii).....
.....

1.2 State five (05) main steps in the scientific method? (05 marks)

i).....

ii).....

iii).....

iv).....

v)

1.3 Define the following terms used in research process. (08 marks)

i) Population

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ii) Sample

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iii) Inclusion Criteria

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iv) Exclusion Criteria

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2.

2.1 What is “research study design”?

(04 marks)

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2.2 List two (02) main types of study designs based on the necessity of assigning an intervention. (04 marks)

i).....

ii).....

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2.3 Name two (02) factors that may determine the design of a research. (02 marks)

i).....

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ii).....

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2.4 Compare primary scientific information and secondary scientific information. (05 marks)

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Part C – 02 SEQs (40 marks)

1.

- 1.1 Differentiate qualitative and quantitative research studies. (05 marks)
- 1.2 Name two (02) types of errors that can be encountered in taking measurements in research and briefly explain them giving examples. (05 marks)
- 1.3 State what is a “research question”? (05 marks)
- 1.4 Briefly state the characteristics of a good research question. (05 marks)

2.

Imagine that you are interested in conducting a research on “Whether communication skills of pharmacists working in diabetes clinics in Western Province is related to the quality of education they provide to patients on prescribed medications”. Based on this research question answer the following.

- 2.1 Write the general objective of this research. (02 marks)
- 2.2 State two (02) measurements which can be used to answer the research question. (04 marks)
- 2.3 Write the alternative and null hypotheses you are going to test in this research. (06 marks)
- 2.4 What is the best study design you choose to conduct the above study? (02 marks)
- 2.5 Briefly explain the reasons for selecting the study design you mentioned in the 2.4 (06 marks)