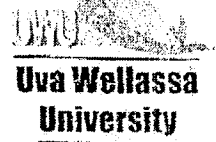


Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Science and Technology
300 level 2nd semester Examination – Dec./Jan. 2017
IIT 475-2 Research Methodology



Instructions to candidates

Duration: Two (02) hours

Number of questions: Four (04) essay questions

Answer all questions

Mark allocation: 100

1. Define the following terms in the context of Research Methodology:

- a. Random Sampling
- b. Variables
- c. Citations
- d. Ethics in research

(20 mark)

2.

- a. List components of research design.
- b. Discuss the requirements of research design.
- c. Discuss factors affecting on research design.

(25 mark)

3.

- a. What are the important components relating to research design? Explain.
- b. What do you mean by 'Sample Design'?
- c. What points should be taken into consideration by a researcher in sample design for any research project.

(25 mark)

4. Read the given research article and write **brief answers** to each of the following questions.

- a. What was the rationale of this article?
- b. What are the objectives of this study?
- c. Describe the key steps of the applied methodology
- d. What were the results?
- e. What was the take home message of this paper?

(30 mark)

