

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

MAIN/EMBU CAMPUS

EXAMINATION FOR THE AWARD OF DIPLOMA IN PROJECT PLANNING
AND MANAGEMENT

PPMA 0212: RESEARCH METHODS

STREAMS:

TIME: 2 HOURS

DAY/DATE: TUESDAY 21/09/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

■ Answer question one and ANY other 2 questions

1. a) i) Explain any 3 sources of knowledge in research. (6 marks)
ii) Differentiate between validity and reliability of research instruments. (4 marks)
- b) State any FIVE sources of research problems in a study. (5 marks)
- c) Using examples, explain the importance of research in project planning and development. (10 marks)
- d) Identify any FIVE characteristics of a good hypothesis. (5 marks)

SECTION B

2. a) Using appropriate examples, explain ethical concerns that guide a research when conducting a research. (10 marks)
 - b) Discuss any five probabilistic techniques of sampling used in research. (10 marks)
3. a) Highlight any EIGHT types of research designs. (8 marks)
 - b) i) Justify the need for research in the community. (6 marks)
 - ii) State the challenges facing research. (6 marks)

4. a) Explain the characteristics of scientific method. (12 marks)
b) Discuss the two types of errors of hypothesis. (8 marks)
5. a) Discuss the source of error in measurement. (8 marks)
b) Discuss the characteristics of good research objectives. (12 marks)
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