



FINAL EXAMINATION

SEPTEMBER 2018 SEMESTER

SUBJECT CODE	:	CRM690
SUBJECT NAME	:	RESEARCH METHODOLOGY FOR IT
LEVEL	:	MASTER'S DEGREE
TIME / DURATION	:	9.00 AM - 12.00 NOON (3 HOURS)
DATE	:	6 JANUARY 2019

INSTRUCTIONS TO CANDIDATES

1. Read the instructions given in the question paper **CAREFULLY**.
2. This question paper is printed on both sides of the paper.
3. This question paper consists of **SEVEN (7)** questions.
4. Answer **ALL** questions.
5. Write your answers in the answer booklet provided.
6. Answer all questions in English.

THERE ARE TWO (2) PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

1

INSTRUCTION: Answer ALL questions.

Please use the answer booklet provided.

Question 1

You have been appointed as a team leader for a research team that would identify the effect of taking too much fast food to the average weight among teenagers. The research will be conducted in four major cities in which survey questionnaires will be distributed to secondary school students, aged between 13 to 17 years old.

- i) Identify two problem statements for this research. (4 marks)
- ii) State two research questions for this research. (4 marks)
- iii) Formulate two research objectives for this research. (4 marks)
- iv) State three hypotheses for this research. (6 marks)
- v) Identify the independent variable and dependent variable in this research. (2 marks)

[Total: 20 marks]

Question 2

Conducting survey is one of the common approaches to obtain data for quantitative research.

- a) What are the **THREE (3)** questions that need to be answer by a researcher before he/she starts to conduct a survey based research? (6 marks)
- b) In order to conduct survey for your research, samples have to be identified in order to make projections about the population. State the two main categories of sampling techniques and hence describe the sub-categories for each sampling technique. (14 marks)

[Total: 20 marks]

Question 3

Questionnaire is the main instrument used to collect data for a survey research. It is very important to thoroughly design a questionnaire in order to get the useful and meaningful data for a research.

- a) Identify and elaborate the two types of questions which are commonly used in a survey research.

(8 marks)

- b) You are required to conduct a survey research on smoking habits among secondary school students. Formulate 3 suitable questions for each type of question identified in part a).

(12 marks)

[Total: 20 marks]

Question 4

- a) Provide FIVE (5) comparisons between Quantitative and Qualitative data analysis.

(10 marks)

- b) Elaborate FIVE (5) techniques of Qualitative data analysis.

(10 marks)

[Total: 20 marks]

Question 5

Ahmad is conducting a research on vulnerability of network security of an information technology intensive organisation.

- a) Based on the research explain the output of the research.

(6 marks)

- b) Suggest the best approach to present the results so that the top management of the organisation would take serious action to improve the network security.

(6 marks)

- c) Based on the research findings identified in part a), explain **FOUR (4)** suggestions of improvement and preventive actions that need to be taken by the top management.

(8 marks)

[Total: 20 marks]

END OF QUESTION PAPER