



UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET

COURSE CODE	: BCS 3743
COURSE	: BUSINESS DECISION MAKING
SEMESTER/SESSION	: 1 - 2023/2024
DURATION	: 3 HOURS

Instructions:

1. This booklet contains 5 questions. Answer **ALL** questions.
2. All answers should be written in answer booklet.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise your hand and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

THIS BOOKLET CONTAINS 6 PRINTED PAGES INCLUDING COVER PAGE

QUESTION 1

- a) Compare between primary and secondary data. (4 marks)
- b) Data collection is the process of gathering, measuring, and analyzing accurate data.
- i) Give **THREE (3)** methods in data collection process. (3 marks)
 - ii) According to question b) i), explain **TWO (2)** methods of data collection. (4 marks)
 - iii) Find **FOUR (4)** steps in conducting survey process. (4 marks)
- c) A questionnaire is a research tool used to conduct surveys. It includes specific questions with the goal to understand a topic from the respondents' point of view.
- i) Find **THREE (3)** types of question? (3 marks)
 - ii) Identify **FOUR (4)** things to be avoided when constructing questionnaires. (4 marks)
- d) A sample is a subset of the population. Sample is divided into non-probability samples and probability samples. (2 marks)
- i) Justify why use sample in the study. (2 marks)
 - ii) Find **FOUR (4)** sampling techniques for probability samples (4 marks)

28

QUESTION 2

a) Show **THREE (3)** methods of measuring central tendency. (3 marks)

b) Suppose out of fifty children in a class, ten have got marks above eighty. Their marks are as follows:

Name of student	Marks
Arif	81
Fahmi	82
Adila	86
Farah	83
Aidil	92
Suhana	94
Zakiah	86
Fatiha	87
Omar	85
Hana	90

i) Calculate mode, median, mean and standard deviation. (8 marks)

ii) According to the value of mean, mode and median in question (i), justify a shape of distribution. (2 marks)

13

QUESTION 3

a) Give **THREE (3)** methods of measuring dispersion. (3 marks)

b) The data below shows the heights (to the nearest cm) of a group of Form 5 pupils.

153	168	163	157
158	161	165	162
145	150	158	156
166	163	152	155
158	173	148	164

i) Determine the class intervals for the data, if the number of classes required is 6. (2 marks)

ii) Construct a frequency distribution table based on the information in (i) and complete the frequency table with the midpoint, cumulative frequency, and relative frequency. (6 marks)

iii) Present **THREE (3)** objectives of using frequency distribution table. (3 marks)

c) Present **FOUR (4)** objectives of measuring dispersion. (4 marks)

d) Show **FIVE (5)** characteristics of a good measure of dispersion. (5 marks)

23

QUESTION 4

- a) Discuss briefly the types of Information Systems below. (10 marks)
- i. CRM
 - ii. TPS
 - iii. ERP
 - iv. DSS
 - v. ESS
- b) Describe **THREE (3)** main categories of Information Systems serve in different organizational levels. (6 marks)
- c) Inventory refers to the raw materials used in production as well as the goods produced that are available for sale.
- i) Define inventory system. (2 marks)
 - ii) Find **FOUR (4)** reasons why need to control inventory. (4 marks)

22

QUESTION 5

- a) Define Critical Path Analysis and Network Diagrams (4 marks)
- b) Present **THREE (3)** disadvantages of inventory system. (3 marks)
- c) Clarify the need of a Gantt chart. (1 marks)
- d) According to question (c), give **THREE (3)** advantages and **THREE (3)** disadvantages of Gantt chart. (6 marks)

14

----- End of question -----