



UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET

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| COURSE CODE | : BCS 3743 |
| COURSE | : BUSINESS DECISION MAKING |
| SEMESTER/SESSION | : 1-2022/2023 |
| DURATION | : 3 HOURS |

Instructions:

1. This booklet contains 5 questions. Answer ALL questions.
2. All answers should be written in the 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 4 PRINTED PAGES INCLUDING THE COVER PAGE

QUESTION 1

a) Present the characteristic of probability sampling below.

- i. Simple Random Sampling (3 marks)
- ii. Stratified Sampling (3 marks)
- iii. Cluster Sampling (3 marks)
- iv. Systematic Sampling (3 marks)
- v. Multi-stage Sampling (3 marks)

b) From a), present **ONE (1)** advantage and **ONE (1)** disadvantage for each of the probability sampling below.

- i. Simple Random Sampling (2 marks)
- ii. Stratified Sampling (2 marks)
- iii. Cluster Sampling (2 marks)

QUESTION 2

a) The given table shows the scores obtained by different players in a match.

What is the mean, median and mode of the given data (Show the calculation process): (6 marks)

| Player No | Name | Run Score |
|-----------|-------|-----------|
| 1 | Hana | 6 |
| 2 | Rico | 74 |
| 3 | Becky | 45 |

| | | |
|---|--------|----|
| 4 | Samuel | 54 |
| 5 | Roy | 63 |
| 6 | Donald | 85 |
| 7 | Frank | 9 |

- b) Present the relation of mean, median and mode. (2 marks)

QUESTION 3

- a) Show **THREE (3)** characteristics of dispersion. (3 marks)
- b) Present **FOUR (4)** objectives of Measuring Dispersion. (4 marks)
- c) Present **FIVE (5)** properties of a good measure of dispersion. (5 marks)
- d) Present characteristics for Measures of Dispersion below.
- i. Absolute (2 marks)
 - ii. Relative (2 marks)
- e) Show **FIVE (5)** methods of Measuring Dispersion. (5 marks)

QUESTION 4

- a) Illustrate how line graphs can be misleading by drawing a few line bars.
- i. Not showing the full scale. (5 marks)
 - ii. Using different scales. (5 marks)
- b) Present tandem techniques in solving two misleading line bars. (5 marks)

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- c) Illustrate **THREE (3)** types of Scatter Plots Correlation below.
- i. Perfect Positive Correlation (2 marks)
 - ii. No Correlation (2 marks)
 - iii. Perfect Negative Correlation (2 marks)

QUESTION 5

- a) Present the types of Information Systems below.
- i. EIS (2 marks)
 - ii. DSS (4 marks)
 - iii. TPS (4 marks)
 - iv. CRM (3 marks)
 - v. ERP (3 marks)
 - vi. MIS (3 marks)
- b) Show **FIVE (5)** roles of the Management Information System. (10 marks)

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