

SARASWAT EDUCATION SOCIETY'S
SRIDORA CACULO COLLEGE OF COMMERCE & MANAGEMENT STUDIES
KHORLIM, MAPUSA – GOA

F.Y. B.COM SECOND SEMESTER END ASSESSMENT, APRIL 2026

(SEC) CSC-148 DATA ANALYTICS USING SPREADSHEETS II

(Under NEP 2020 W.E.F. Academic Year 2023-24)

Printed pages: 02

Duration: 1 HOURS

TOTAL MARKS: 20 MARKS

Instructions:

- i) All questions are compulsory, and figures to the right indicate full marks.
- ii) Questions of 1 mark to be answered in not more than 20 words.
- iii) Questions of 2 marks to be answered in not more than 40 words.

Q.1) Answer the following:

(4 × 1 = 4)

- i) What is PMT function in Excel?
- ii) Define Data Collection.
- iii) What is Range in statistics?
- iv) What is a Waterfall chart?

Q.2 A) What is FV function in Excel?

(2)

OR

Q.2 A) What is a Sunburst chart used for in data visualization?

(2)

Q.2 B) Explain the Analysis ToolPak in Excel.

(2)

Q.3 A i) Which Excel function is used for lookup operations?

(1)

ii) Give an example of a logical function used in spreadsheets.

(1)

OR

iii) How are missing values handled in data analysis?

(1)

iv) How can data be categorized using filters? Give an example.

(1)

Q.3 B) What does variance indicate in a dataset? Explain with an example.

(2)

Q.4 A) i) What is the purpose of data validation in Excel?

(1)

ii) Provide an example of text filter in Excel.

(1)

OR

iii) Name any one tool used in What-If Analysis.

(1)

iv) Why is data cleansing important before analysis?

(1)

Q.4.B) How can conditional statements be combined with lookup functions in Excel? (2)

Q.5 A) A company is planning to take a loan. Which financial function will help calculate EMI and why? (2)

OR

A teacher wants to compare variability of marks in two classes. How can range be used for comparison? (2)

Q.5 B) i) If the highest value is 90 and lowest is 35, how will you calculate the range? (1)

ii) How can conditional formatting be used to highlight duplicate values in Excel? (1)