

(i) Printed Pages : 3 Roll No.

(ii) Questions : 14 Sub. Code :

1	0	1	8	2
---	---	---	---	---

Exam. Code :

5	0	0	1
---	---	---	---

Bachelor of Arts (FYUP) 1st Semester
(2124)

DATA ANALYTICS

Paper : SEC101A

Time Allowed : Three Hours] [Maximum Marks : 60

Note :— Attempt any four questions from Section-A and two questions each from Section-B and Section-C.

SECTION—A

1. Write the formula of HLOOKUP and explain.
2. Where do you use COLUMN formula in Excel ?
3. What is the impact of using ROUNDUP and ROUNDDOWN in Excel ? Explain with example.
4. How do you use number filters in Excel ?
5. Explain the data to be used in SET OBJECTIVE in solver.
6. What is the utility of PRINT TITLES in Excel ? 4×5=20

SECTION—B

7. Explain the process of creating a new spreadsheet, entering data, and formatting cells. Provide examples of common cell formatting options and discuss their importance in data presentation.
8. Discuss how to calculate the difference between two dates using spreadsheet functions. Provide examples for calculating age, time elapsed, and project deadlines.
9. Explain the importance of the ROUND, ROUNDUP, and ROUNDDOWN functions in financial calculations. Provide examples of how these functions can improve the accuracy of reports.
10. Discuss the role of text functions in data cleaning and standardization. Provide examples of how functions like TRIM, UPPER, LOWER and PROPER can be used to format text consistently.

$$2 \times 10 = 20$$

SECTION—C

11. Explain the concept of conditional formatting in Excel. How does it help in data visualization, and what are the common use cases where it can be applied for analysis and decision-making ?

12. "Pivot tables are powerful but can be challenging for users when working with large datasets." In the light of this statement, analyze the common problems users face when creating or refreshing pivot tables, and provide solutions for these issues.
13. Explain how constraints and objective functions are used in Solver to define optimization problems. How do these elements influence the results, and what are some best practices for setting up a successful Solver model ?
14. Discuss the various print options available in Excel, including setting print areas, scaling, page breaks, and headers/footers. Provide a detailed explanation of how to customize print settings for large spreadsheets.

2×10=20