



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2020 Admission
V Semester Final Examination – February 2023

Beas.3110

ICT Applications in Food Industry (1+2)

Marks: 50
Time: 2 hours

I Answer the following

(10x1=10)

1. Define functions palette in LabVIEW.
2. An example for a Web Hosting company.

Match the following

- | | |
|-------------|--------------------------------------|
| 3. MATLAB | (a) Graphical programming |
| 4. LabVIEW | (b) Software for Numerical Computing |
| 5. GAMBIT | (c) Spreadsheet Software |
| 6. MS Excel | (d) Software for CFD analysis |

Fill in the blanks

7. Index of an array in MATLAB start with
8.is the extension of MS-Excel file.
9. character distinguishes the array operations from the matrix operations in MATLAB.
10.is an open source software for Computational Fluid Dynamics (CFD).

II Write short notes on ANY FIVE of the following

(5x2=10)

1. Define solver in MS Excel.
2. What you mean by front panel in LabVIEW environment?
3. Define formula in MS Excel.
4. List objectives of File Transfer Protocol.
5. What are the functions to see the graph of a continuous and a discrete function in MATLAB?
6. Write short note on importance of CFD in food industry.
7. How to define matrix in MATLAB?

III Answer ANY FIVE of the following

(5x4=20)

1. Explain macro and steps to create macro in MS Excel.
2. Discuss user defined functions in MATLAB.
3. Describe ICT applications in Food Industry.
4. Explain the significance of script files and editor debuggers in MATLAB program.
5. Discuss graphs and charts in LabVIEW environment.
6. Explain basic steps in CFD.
7. Discuss debugging techniques in LabVIEW environment.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain features of SCADA systems.
2. Discuss MATLAB environment and toolboxes.
