

B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)
B.Tech. (CSBS) Sem - VII : WINTER : 2023
SUBJECT : IT WORKSHOP

Day : Tuesday
Date : 5/12/2023

W-20478-2023

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data, if necessary.

Q. 1 Explain with suitable example, good programming practices. (10)

OR

Give any four features of matlab. Also explain strengths and weaknesses in brief.

Q. 2 Explain with suitable code, execution of three statements in one line. (10)

OR

State any four error messages and explain the corrective action taken.

Q. 3 How will you generate 4×4 matrix, explain with suitable code. Also explain special matrices. (10)

OR

Explain following mathematical functions with suitable matlab code:

- i) Addition
- ii) Multiplication
- iii) Subtraction
- iv) Log function

Q. 4 Plot a cosine wave showing title, axis labels, annotations, grids. (10)

OR

Display a .ppm file showing title, axis labels, and annotations.

Q. 5 Write short notes on (write suitable code) (10)

- i) If end loop
- ii) For end loop

OR

Explain suitable MATLAB code for 'While ... end loop'. Also explain operator precedence in short. (10)

Q. 6 How will you correct an M-file? How to examine values in debugging process? (10)

OR

Write short notes on:

- i) Setting break points (5)
- ii) Correcting and ending debugging (5)

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