



Indian Institute of Technology Hyderabad

CH2120 Numerical Methods

Exam 3

November 11, 2021

11-11:45 AM

25 points

1. This is an open book exam.
2. Turn on your **live video feed** for the entire duration of the exam. Mute your microphones but unmute your speakers.
3. If you face technical issues during the exam, please contact your TA **immediately** by sending a SMS briefly describing the problem. Rejoin as soon as possible.
4. **This is a written exam. There are no coding sections.**
5. Typed answers will not be accepted. Write your answers using pen and paper.
6. Write the page number on every page.
7. Take pictures of your answers, compile the images into a single PDF file, and upload to Google Classroom under the **assignment titled Exam 3**.
8. **The deadline for uploading your final PDF is 11:50 AM. Late submissions will not be accepted.**

Good luck!

Use the Gauss-Jordan method to find the inverse of the matrix

$$\begin{bmatrix} 2 & 4 & -3 \\ 1 & 2 & -1 \\ -2 & 6 & -2 \end{bmatrix}$$

Write and explain each step of your solution.