

Bangladesh University of Engineering and Technology

CSE 315 January 2021 Assignment

Deadline: 11.55 PM, Wednesday, 15th week

1. Briefly explain the Two-Wire Interface (TWI/I2C).
2. What are the advantages of TWI/I2C compared to SPI and USART?
3. What are the disadvantages of TWI/I2C compared to SPI and USART?
4. How does I2C ~~handle~~ prevent data ~~loss~~ overrun on slave?

Submission Guidelines:

- You have to submit the assignment in LATEX.
- Write everything in a single tex file. If you want to include images, put images in an “images” folder.
- Generate the pdf too.
- Put your images, pdf and tex file in a folder named to your 7 digit student id.

Folder structure:

```
1705xxx
|--- 1705xxx.tex
|--- 1705xxx.pdf
|--- images
      |--- *.png, *.jpg, etc.
```

- Zip the folder 1705xxx to 1705xxx.zip
- Submit the zip file.
- Do not copy. Copying from others or directly from the internet/datasheet will result in severe penalties.
- If you are unable to submit due to Covid-19 situation, contact me directly.