**DAILY ASSESSMENT FORMAT**

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| **Date:** | **25/05/2020** | **Name:** | **DHAMINI C L** |
| **Course:** | **DIGITAL SIGNAL PROCESSING** | **USN:** | **4AL17EC025** |
| **Topic:** | **Introduction to fourier series &amp;**  **fourier transform**  **Inner product in Hilbert transform**  **Complex fourier series**  **Fourier series using matlab and**  **python**  **Fourier series and gibbs phenomena**  **using matlab** | **Semester & Section:** | **6TH & A** |
| **Github Repository:** | **DHAMINI-CL-Course** |  |  |

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| **FORENOON SESSION DETAILS** |
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| **Report – Report can be typed or hand written for up to two pages.** |

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| **Date:25/5/2020** |  | **Name: DHAMINI C L** |  | |
| **Course:PYTHON** |  | **USN:4AL17EC025** |  | |
| **Topic: FILE** |  | **Semester & Section:6TH A SEC** |  | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  .  **Use case:** the files to be processed include markers that specify the nominal encoding (with a default encoding assumed if no marker is present) and it is acceptable to refuse to process files that are not properly encoded.  **Approach:** first open the file in binary mode to look for the encoding marker, then reopen in text mode with the identified encoding.  **Example:** f = tokenize.open(fname) uses PEP 263 encoding markers to detect the encoding of Python source files (defaulting to UTF-8 if no encoding marker is detected)  **Consequences:**   * can handle files in different encodings * may still raise UnicodeDecodeError if the encoding marker is incorrect * must ensure marker is set correctly when writing such files * even if it is not the default encoding, individual files can still be set to use UTF-8 as the encoding in order to support encoding almost all Unicode code points * the surrogateescape error handler can be used to be more tolerant of encoding errors if it is necessary to make a best effort attempt to process files that contain such errors instead of rejecting them outright as invalid input. | | | |