**COMSATS University Islamabad**

**Sahiwal Campus**

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| **Course Title:** | Introduction to Data Science | | | | **Course Code:** | | CSC- | | **Credit Hours:** | 3 |
| **Course Instructor:** | Badar | | | | **Programme Name:** | | | BSSE | | |
| **Semester:** | 6st | **Batch:** |  | **Section:** | A,B | | | **Date:** | 20-07-2020 | |
| **Time Allowed:** | 240 minutes | | | | **Maximum Marks:** | | | | 100 | |
| **Student’s Name:** |  | | | | **Reg. No.** | CUI/ /SWL | | | | |
| **Important Instructions / Guidelines:**  *Read the question paper carefully and answer the questions according to their statements.*  *Mobile phones are not allowed. Calculators must not have any data/equations etc. in their memory.* | | | | | | | | | | |

**Examinations SP20**

**(Each question carries equal marks)**

Use Attached data set and make one presentation by using Microsoft PowerPoint (use screen recording feature) also add your voice and explain step by step and perform following functions by using **Python.**

1. Data Visualization plot comparison graph of papulation of top 5 countries (countries.csv)
2. Read/Write .csv and .txt file (both (countries.csv, TextData.txt))
3. Read .txt file and perform sentiment analysis and print the results. (TextData.txt)

**Note**

**Screen recording time not more than 15 minutes**

**Upload google drive link on google classroom**

**File name only contain your name and roll number**