

PVP Siddhartha Institute of Technology, Kanuru, Vijayawada-7

Academic Year: 2023-24

Program: B.Tech (CSE)

Subject: Object Oriented Programming through C++ (20CS3302) Regulation: PVP20

Year/Semester: II Year I Semester (Section-2)

Max Marks: 5 Marks

Assignment – 02

1. Why do we need exception handling? Explain with an example how c++ handles exceptions?

(CO4-L2)

2. Consider the following data

RollNo	Name of the student	Gender	SGPA	CGPA
18501A0501	Ramesh kumar	Male	8.56	9.01
18501A0502	Arun prasad	Male	8.79	8.96
18501A0503	Radhika	Female	9.12	8.76
18501A0504	Ashwini	Female	9.32	8.88
18501A0505	Harika	Female	8.65	8.97
18501A0506	William	Male	8.96	9.13
18501A0507	Hari kiran	Male	9.32	9.11
18501A0508	Hari babu	Male	9.12	8.78
18501A0509	Madhulika	Female	8.97	9.01
18501A0510	Sarika	Female	8.95	9.12

Create a vector to store the data and apply the sort() function to sort the data based on SGPA (CO3-L3)

3. Create a Map that stores the Q.no 2 data , where key is the roll no and remaining fields can be stored in vector or list. (CO3-L3)

Example

```
{"18501A501":["Ramesh kumar","Male",8.56,9.01]}
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4. Compare and Contrast 'C' and 'C++' language features. CO1-L2

Last date for submission of assignment is 29-11-2023