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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course Name:** | **Software Design & Analysis** | **Course Code:** | **CS3004** |
| **Program:** | **BS (CS)** | **Semester:** | **Fall 2023** |
| **Duration:** | **10 min** | **Total Marks:** |  |
| **Paper Date:** |  | **Weight:** |  |
| **Section:** | **BCS-5H** | **Page(s):** |  |
| **Exam Type:** | **Quiz 1** |  |  |
| **Student : Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | |

Consider the following code:

class Student {

private:

int id;

string name;

Date\* dob;

public:

void setDate(Date\* d) {

dob = d;

}

~Student() {}

};

int main() {

Date d1(15,09,2022);

Student s1;

s1.setDate(&d1);

return 0;

}

Rewrite the above code to implement Composition between Student and Date. Use pointer for the data member dob; do not use simple variable.