**E4.10a Depict full key functional dependencies, partial functional dependencies (if any), and transitive functional dependencies (if any) in the Surgery Schedule Table.**

fullFuncDep = patient(id/name), surgeon(id/name), nurse(id/name)

partialFuncDep = nurseRole (sue has different roles depending on surgery type)

transFuncDep = patientid and surgeonid, surgeonid and surgerytype, patientid and surgerytype

**2f**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| patientid | patientname | surgerydate | surgerytype | nurseroll |
| 1 | jim | 01/01/01 | 1 | 1 |

|  |  |
| --- | --- |
| nurseid | nursename |
| 1 | bill |

|  |  |
| --- | --- |
| surgeonid | surgeonname |
| 1 | tom |

**3f**

|  |  |
| --- | --- |
| patientid | patientname |
| 1 | jim |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| surgeryid | surgerydate | surgerytype | surgeonid | nurseid | nurseroll | patientid |
| 1 | 01/01/0/1 | 1 | 1 | 1 | 1 | 1 |

|  |  |
| --- | --- |
| nurseid | nursename |
| 1 | bill |

|  |  |
| --- | --- |
| surgeonid | surgeonname |
| 1 | tom |