

Student Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Program: BS(CS),BS(SE)

Semester: Spring-2021

Time Allowed: 2 hours

Course:CS203 Database Systems

CS219 Database Systems

Examination: Mid Term

Total Marks:50 Weightage: 30

Date: May 25, 2021

Instructor Name: Ms. Safia Fatima

**NOTE:** Attempt all questions.

#### Question No. 4

**Attempt Time:** 10 min, **Submission Time:** 5 min

**Marks:** 5

**Examine the Patient Medication Form for Hospital shown in Figure below [Marks 15]**

Patient Number: <u>P10034</u>	
Full Name: <u>Robert MacDonald</u>	Ward Number: <u>Ward 11</u>
Bed Number: <u>84</u>	Ward Name: <u>Orthopaedic</u>

Drug Number	Name	Description	Dosage	Method of Admin	Units per Day	Start Date	Finish Date
10223	Morphine	Pain Killer	10mg/ml	Oral	50	24/03/01	24/04/02
10334	Tetracycline	Antibiotic	0.5mg/ml	IV	10	24/03/01	17/04/01
10223	Morphine	Pain Killer	10mg/ml	Oral	10	25/04/02	02/05/03

**Your task is:**

1. What is functional Dependency? Considering the example above identify the functional dependency [both full and partial functional dependency]