Ass01_2010 Solutions

| 1 | SELECT Surname, Forename
FROM Doctors
ORDER BY Surname, Forename; | 3 |

| 2 | SELECT Surname, Forename, Salary
FROM Doctors
ORDER BY Salary DESC; | 3 |

| 3 | SELECT *
FROM Patients
WHERE RegDate> '01/01/2010'; | 4 |

| 4 | SELECT *
FROM Patients
WHERE Surname LIKE 'MC%'; | 3 |

| 5 | SELECT *
FROM Patients
WHERE Town = 'Tralee' AND
Status = 'P'; | 3 |

| 6 | SELECT P.Surname, P.Forename, D.Surname. D.Forename
FROM Patients P, Doctors D
WHERE P.DoctorId = D.DoctorId AND
Status = 'P'; | 6 |

| 7 | SELECT COUNT(*)
FROM Patients
WHERE Status = 'X'; | 4 |

| 8 | SELECT Status, COUNT(*)
FROM Patients
GROUP BY Status; | 5 |

| 9 | SELECT SUM(Salary)
FROM Doctors; | 4 |

| 10 | SELECT *
FROM Doctors
WHERE Salary < (SELECT AVG(Salary)
FROM Doctors); | 5 |

11	SELECT Surname, Forename, Salary FROM Doctors WHERE Salary = (SELECT MIN(Salary) FROM Doctors);	5
12	SELECT MIN(Salary) AS Lowest, MAX(Salary) AS Highest, AVG(Salary) AS Average FROM Doctors;	6
13	SELECT DoctorId, COUNT(*) FROM Patients GROUP BY DoctorId;	6
14	INSERT INTO Doctors VALUES(8,'Jones','John',130000);	6
15	INSERT INTO Doctors (DoctorId, Surname, Forename) VALUES(9,'Kelly','Ann');	7
16	UPDATE Doctors SET Salary = Salary * 1.10;	6
17	DELETE * FROM Patients WHERE Status = 'D';	6
18	SELECT * FROM Appointments WHERE DoctorId = 3 AND AppDate = '19/10/2010';	4
19	SELECT AppTime, Surname, Forename FROM Appointments A, Patients P WHERE A.PatientId = P.PatientId AND AppDate = '19/10/2010' AND A.DoctorId = 3;	6
20	SELECT AppTime, D.Surname, D.Forename, P.Surname, P.Forename FROM Appointments A, Doctors D, Patients P WHERE A.DoctorId = D.DoctorId AND A.PatientId = P.PatientId AND AppDate = '25/10/2010' ORDER BY D.Surname, D.Forename, AppTime;	8