1. Consider the following tables FACULTY and COURSES. Write SQL commands for
the statements (i) to (v) and give outputs for SQL queries (vi) to (viii)

FACULTY

F_ID	Fname	Lname	Hire_date	Salary
102	Amit	Mishra	12-10-1998	12000
103	Nitin	Vyas	24-12-1994	8000
104	Rakshit	Soni	18-5-2001	14000
105	Rashmi	Malhotra	11-9-2004	11000
106	Sulekha	Srivastava	5-6-2006	10000
107	Niranjan	Kumar	26-8-1996	16000

COURSES

C_ID	F_ID	Cname	Fees
C21	102	Grid Computing	40000
C22	106	System Design	16000
C23	104	Computer Security	8000
C24	106	Human Biology	15000
C25	102	Computer Network	20000
C26	105	Visual Basic	6000
C27	107	Dreamweaver	4000

i) To display details of those Faculties whose salary is greater than 12000.
ii) To display the details of courses whose fees is in the range of 15000 to 50000 (both values included).
iii) To increase the fees of all courses by 500.
iv) To display details of those courses which are taught by 'Sulekha'.

v) To display name of the Faculty whose salary is maximum.
vi) Select COUNT(DISTINCT F_ID) from COURSES;
vii) Select MIN(Salary) from FACULTY,COURSES where COURSES.C_ID = FACULTY.F_ID;
viii) Select SUM(Fees) from courses Group By F_ID having count(*) > 1;
ix) Select Fname, Lname from FACULTY Where Lname like "M%";
2. Study the following tables DOCTOR and SALARY and write SQL commands for
the questions (i) to (iv) and give outputs for SQL queries (v) to (vi):

TABLE : DOCTOR

ID	NAME	DEPT	SEX	EXPERIENCE
101	John	ENT	M	12
104	Smith	ORTHOPEDIC	M	5
107	George	CARDIOLOGY	M	10
114	Lara	SKIN	F	3
109	K George	MEDICINE	F	9
105	Johnson	ORTHOPEDIC	M	10
117	Lucy	ENT	F	3
111	Bill	MEDICINE	F	12
130	Morphy	ORTHOPEDIC	M	15

TABLE : SALARY

1D	BASIC	ALLOWANCE	CONSULTATION
101	12000	1000	300
104	23000	2300	500
107	32000	4000	500
114	12000	5200	100
109	42000	1700	200
105	18900	1690	300
130	21700	2600	300

i) Display NAME of all doctors who are in "MEDICINE" having more than 10 years experience from the table DOCTOR.

ii) Display the average salary of all doctors working in "ENT" department using the tables DOCTOR and SALARY. Salary = BASIC + ALLOWANCE

iii) Display the minimum ALLOWANCE of female doctors.

iv) Display the highest consultation fee among all male doctors.

v) To display records of all the doctors in ascending order of experience.

vi) SELECT count(*) from DOCTOR where SEX = "F"

vii) SELECT NAME, DEPT, BASIC from DOCTOR, SALARY where DEPT = "ENT" and DOCTOR.ID = SALARY.ID