

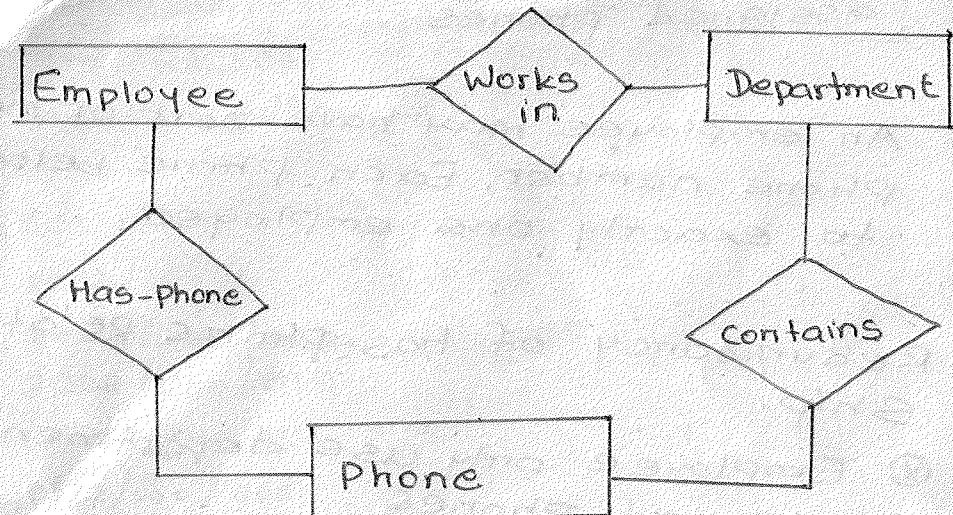
Group-6

1. 2022/SP/133
2. 2022/CSC/025
3. 2022/CSC/026
4. 2022/CSC/059
5. 2022/CSC/080
6. 2022/SP/011
7. 2022/CSC/088
8. 2022/CSC/019
9. 2022/CSC/017
10. 2022/CSC/068
11. 2022/SP/097
12. 2022/SP/059
13. 2022/SP/164
14. 2022/SP/156
15. 2022/SP/073
16. 2022/CSC/040
17. 2021/SP/298
18. 2022/CSC/036
19. 2022/CSC/089
20. 2022/CSC/097
21. 2022/CSC/038
22. 2022/CSC/006
23. 2022/CSC/032

E

b-06

Question:- 3.24



Cardinality.

Works in between employee and Department  
• employee : (0, 2)  
• department : (1, N)

(R, M)

An employee may work in up to two departments or may not be assigned to any department. Each department can have one or more employees.

Contains.

Has phone between Department and phone  
• Department : (1, 3)  
• phone : (1, 1)

(1, 3)

Each department must have one and may have up to three phone numbers. Each phone number is associated with exactly one department.

Has phone between employee and phone  
• employee - (0, N)

(1, 1)

• Phone - (1, 1)

Employee only use department assigned phones.

An employee may have zero or more phone number. Each phone belongs to exactly one employee.

Redundancy of has-phone relationship.

② Employee only use department assigned phones.

Employee do not have personal work phones.

If a phone is always assigned through a department and not directly linked to an employee then Has-phone is unnecessary.