**Section A: SDLC & Algorithm (40 Marks)**

1. **c)** Compilation
2. **b)** To check whether the project is viable
3. **b)** V-model
4. **b)** Large, complex projects with evolving requirements
5. **b)** Infinite steps
6. **c)** Number of statements executed
7. **a)** Constant time complexity
8. **b)** A base case and a recursive call
9. **d)** Quick Sort
10. **b)** Decision-making

**Section B: GitHub (30 Marks)**

1. **b)** Version control
2. **c)** master *(Earlier default, now changed to "main" in GitHub)*
3. **b)** git clone
4. **c)** git status
5. **a)** git add .
6. **b)** Copying a repository to your account
7. **a)** git reset --soft HEAD~1
8. **b)** To merge changes into another branch
9. **c)** Excludes files from being committed
10. **a)** git branch new\_branch

**Section C: T-SQL (30 Marks)**

1. **b)** Transactional Structured Query Language
2. **c)** SELECT
3. **a)** Unique and Not Null
4. **b)** WHERE
5. **a)** Number of employees
6. **a)** INNER JOIN returns only matching records, OUTER JOIN returns all records
7. **b)** TRUNCATE
8. **a)** The current system date and time
9. **a)** CREATE PROCEDURE
10. **a)** Speed up queries