

Session 2 Task Solution

Code Coverage Questions:

Q1: Mention the number of test cases and also the required values for the

Statement Coverage → Statement Coverage: Min number of TCs is 2 → FTFT, FFFF

Condition Coverage → Condition Coverage: Min number of TCs is 2 → FTFT, FFFF

Decision Coverage → Decision Coverage: Min number of TCs is 2 → FTFT, FFFF

MCDC Coverage → MCDC Coverage: Min number of TCs is 5 → TTFE, TTFF, FTTF, FTFT, FTFF

```
If ((A || B) && (C || D))
```

```
{
```

```
X= 5;
```

```
Print B;
```

```
}
```

```
Else
```

```
Print (A);
```

Q2: Mention number of test cases of MCDC for the following and also which test cases shall be used ?

```
If ( (A && ! B) || (C ^ D) ) == If ( (A and not B) or (C xor D))
```

→ MCDC Coverage: Min number of TCs is 5 → FFFF, TTFF, TTFT, TTTF, FTTF