

# Subject Name (Code) - Exam Term Solution

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Month Day, Year

## Question 1(a) [3 marks]

Explain the concept with a table.

### Solution

Brief explanation of the concept goes here. We use `\captionof` for tables inside boxes to prevent them from floating away.

**Table 1.** Descriptive Table Title

Column 1	Column 2
Data 1	Description 1
Data 2	Description 2

- **Key Point 1:** Explanation here
- **Key Point 2:** Explanation here

### Mnemonic

“ABC: Always Be Consistent”

## Question 1(b) [4 marks]

Draw and explain the architecture.

### Solution

Architecture explanation goes here. We use the global `gtu` TikZ styles defined in the preamble.



**Figure 1.** System Architecture

- **Component A:** Description
- **Component B:** Description

### Mnemonic

“XYZ: eXplain Your Zones”

## Question 1(c) [7 marks]

Write a program to demonstrate the concept.

### Solution

Program explanation goes here. Code listings automatically caption at the top.

**Listing 1.** Descriptive Program Title

```
1 public class Example {  
2     public static void main(String[] args) {  
3         System.out.println("Hello, World!");  
4     }  
5 }
```

- **Initialize:** Setup phase
- **Process:** Main logic
- **Output:** Results

### Mnemonic

“IPO: Input-Process-Output”

## Question 1(c OR) [7 marks]

Alternative question for same marks.

### Solution

Alternative solution goes here.