

Q1. Explain the purpose of **conditional statements** in VBA.

Write an example using **If...ElseIf...Else** that classifies sales performance as:

- “Excellent” if sales ≥ 1000
- “Good” if sales ≥ 500
- “Needs Improvement” otherwise.

Q2. Write a VBA code that calculates the **total sales** from the range

B2 :B10 and displays the result in a message box.

Explain the purpose of each line of code used in the program.

Q3. Explain the use of **loops** in VBA programming.

Write a **For...Next** loop that fills cells A1 to A5 with the values 10, 20, 30, 40, and 50 respectively.

Q4. Discuss the importance of **error handling** in VBA.

Write a short example using **On Error GoTo** to handle division by zero, and explain how the program flow changes when an error occurs.

Q5. Describe the role of **UserForms** in VBA for Excel.

Mention two common controls used in UserForms and explain how they help in user interaction.

Q6. Differentiate between **dynamic arrays** and **fixed arrays** in VBA.

Provide syntax examples to declare and resize each type.

Q7.What are User Defined Functions (UDFs) in VBA?

Write a VBA function named **DiscountPrice** that calculates and returns a 10% discount on a given price.

Q8.Explain the difference between properties and methods in the Excel Object Model with suitable examples of each.

Q9.Describe the use of the With...End With statement in VBA.

Explain how it improves readability and efficiency, using a formatting example for range A1:D1.

Q10.Write a VBA code that creates a new worksheet named “Summary”, inserts headers “Region”, “Sales”, and “Target” in A1:C1, and formats the header row to be bold and center-aligned.

Explain how the code uses Excel's object model.