Each challenge will be graded out of 100 points, broken down into key categories:

### **1. Identification of Vulnerability (20 points)**

* **20 points**: Clearly and accurately identifies the main vulnerability in the code.
* **15 points**: Identifies the main vulnerability but misses minor details or has partial understanding.
* **10 points**: Recognizes some aspects of the vulnerability but lacks detail or insight.
* **5 points**: Shows minimal understanding of the vulnerability or identifies it incorrectly.
* **0 points**: Fails to identify the vulnerability.

### **2. Exploit Development (25 points)**

* **25 points**: Successfully creates an exploit that demonstrates the vulnerability with clear and correct code.
* **20 points**: Develops a mostly functional exploit with minor issues.
* **15 points**: Attempts an exploit but with significant flaws.
* **10 points**: Shows partial code or minimal effort toward an exploit.
* **0 points**: Does not attempt an exploit.

### **3. Explanation of Exploit (20 points)**

* **20 points**: Thorough and clear explanation of how the exploit works and how it abuses the vulnerability.
* **15 points**: Provides a mostly clear explanation with minor gaps in clarity or detail.
* **10 points**: Gives a partial or incomplete explanation, lacking depth.
* **5 points**: Brief or vague explanation without much clarity.
* **0 points**: No explanation provided.

### **4. Mitigation Suggestions (15 points)**

* **15 points**: Proposes effective and realistic mitigations to address the vulnerability.
* **10 points**: Suggests mitigation, though it may lack full detail or practicality.
* **5 points**: Provides limited or impractical suggestions for mitigation.
* **0 points**: No mitigation suggestions provided.

### **5. Write-up Quality (20 points)**

* **20 points**: Clear, well-organized, and detailed write-up that walks through each stage of the process.
* **15 points**: Mostly well-organized with minor gaps in detail or clarity.
* **10 points**: Basic write-up with noticeable gaps or lack of structure.
* **5 points**: Brief or unclear write-up lacking structure.
* **0 points**: No write-up submitted.