

Name: Muhammad Saad

Roll No: 00323826

## **PART A — Research Questions (Short Answers)**

1. What new improvements were introduced in Gemini 3.0?

Ans: Gemini 3 is much better in reasoning it has also Deep Think that pushes it even further it's also much better at multimodal reasoning it also comes with a large context up to 1 million which made it better over long conversations its also strong at agentic coding and can autonomously execute multi step tasks

2. How does Gemini 3.0 improve coding & automation workflows?

Ans: Gemini 3 improves coding & automation by introducing agentic development allowing it to plan, write, run and verify code autonomously. It has stronger reasoning and can use tools better making it able to execute multi step tasks and automating workflow

3. How does Gemini 3.0 improve multimodal understanding?

Ans: It improves multimodal understanding by delivering stronger video and visual reasoning it can better interpret diagrams and documents. It can handle very large mixed media inputs due to 1 million context window making it able to analyze long documents.

4. Name any two developer tools introduced with Gemini 3.0.

Ans: Google antigravity and Gemini CLI

## PART B — Practical Task (Screenshot Required)

When you select Auto or Pro, Gemini CLI will attempt to use gemini-3-pro-preview first, before falling back to gemini-2.5-pro.

1. Auto  
Let the system choose the best model for your task.
- 2. Pro (gemini-3-pro-preview, gemini-2.5-pro)  
For complex tasks that require deep reasoning and creativity
3. Flash (gemini-2.5-flash)  
For tasks that need a balance of speed and reasoning
4. Flash-Lite (gemini-2.5-flash-lite)  
For simple tasks that need to be done quickly

To use a specific Gemini model on startup, use the `--model` flag.

(Press Esc to close)