

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

**1. What new improvements were introduced in Gemini 3.0?**

A: Gemini 3.0 mein advanced reasoning (Deep Think), improved multimodal understanding (images, videos, documents), aur long-context support introduce hua. Model zyada accurate, safer, fast aur developer workflows ke liye optimized banaya gaya hai.

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

A: Gemini 3.0 coding aur automation ko fast bana deta hai kyunke yeh code likhne ke saath saath khud plan, test aur debug bhi karta hai. Iski reasoning aur tool-use bohot strong hai, jis se multi step tasks asaani se complete ho jate hain. Bari context window ki wajah se yeh poori codebase ko samajh kar smart changes karta hai. Overall developer ka kaam half ho jata hai.

**3. How does Gemini 3.0 improve multimodal understanding?**

A: Gemini 3.0 multimodal understanding ko improve karta hai kyunke yeh text, images, videos, diagrams aur code ko aik saath samajh sakta hai. Iska visual reasoning bohot strong ho gaya hai, jisse screenshots, charts aur UI designs ko accurately interpret karta hai. Spatial understanding bhi behtar hai, isliye complex visuals ko sahi analyze karta hai. Overall, har type ke data ko combine karke better answers deta hai.

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

A: • Google Antigravity: ek “agent first” IDE jahan agents editor, terminal aur browser ko khud use kar sakte hain.  
• Gemini CLI: open source command-line interface jo Gemini ko seedha terminal mein laata hai.

## PART B: Practical Task

You are running Gemini CLI in your home directory. It is recommended to run in a project-specific directory.

**Select Model**

**Gemini 3 is now enabled.**  
To disable Gemini 3, disable "Preview features" in /settings.  
Learn more at <https://google/enable-preview-features>

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.