

### Task 3

#### Part A – Research Questions(Short Answers)

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

Gemini 3.0 brings major upgrades in speed, accuracy, and understanding. It can handle much larger amounts of text, think more clearly, and solve harder problems. The model also gives more stable reasoning and works better with images, audio, and videos. Overall, Gemini 3.0 is stronger, faster, and more reliable than previous versions.

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

Gemini 3.0 helps developers by understanding code more deeply. It can write full functions, fix errors, explain code, and even create multi-step plans for tasks. Gemini 3.0 also supports automation, meaning it can perform repeated tasks, build simple projects, and guide developers with step-by-step instructions. This reduces time and makes coding smoother and more efficient.

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

Gemini 3.0 can understand text, images, audio, and video together in one place. It connects information from different formats, which helps it give clearer, richer, and more accurate answers. Its multimodal thinking is faster and more stable, making it better at analyzing pictures, reading charts, summarizing videos, and solving tasks that need multiple types of input.

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

Gemini CLI – A command-line tool that allows developers to use Gemini directly in the terminal.

Google Antigravity – A platform where developers can try AI models, build apps, and use Gemini tools easily.

#### Part B – Practical Task(Screenshot Required)

```
 Gemini - DELL5300
> /model

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://goo.gle/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.

(Press Esc to close)
```