Task-3

PART A — Research Questions

Q1: What new improvements were introduced in Gemini 3.0?

Gemini 3.0 mein Google ne kaafi naye enhancements kiye hain: improved reasoning (sochne ki ability), better formatting, aur more accurate aur context-aware responses. Gemini 3 Pro benchmarks mein 2.5 Pro se better perform karta hai. "Deep Think" mode bhi introduce kiya gaya hai, jisme model aur gehra aur complex reasoning kar sakta hai. Security mein bhi improvements hain: reduced sycophancy (matlab model kam "flattering" replies dega), prompt-injection resistance (model ko galat ya javaab na dena mushkil hoga), aur misuse risks pe control. App ka interface bhi naya hai: Gemini app mein "My Stuff" folder add hua hai jahan users apni images, videos, aur chat creations dekh sakte hain.

Q2: How does Gemini 3.0 improve coding & automation workflows?

Gemini 3 ne "vibe coding" aur agentic coding capabilities ko improve kiya hai, jisse model complex software tasks plan aur execute kar sakta hai. Google Antigravity naam ka naya tool banaya gaya hai, jisme agents editor, terminal, aur browser mein kaam kar sakte hain aur autonomous workflows bana sakte hain. Gemini CLI ke liye naya client-side bash tool aaya hai jo shell commands suggest kar sakta hai aur agents ko local filesystem navigate karne mein madad karta hai. Coding benchmarks mein Gemini 3 Pro ne WebDev Arena mein top score liya hai, aur tool-use mein bhi behtar performance dikhayi hai.

Q3: How does Gemini 3.0 improve multimodal understanding?

Gemini 3 Pro mein multimodal reasoning kaafi behter hai: text + image + video + screenshot inputs ko zyada accurately samajh sakta hai. Model ka evaluation dikhaata hai ke usne MMMU-Pro (multimodal benchmark) mein high score achieve kiya hai, aur video understanding bhi kaafi strong hai. Generative Interfaces ke features hain: "Visual Layout" jo magazine-style layout banata hai aur "Dynamic View" jo interactive UI generate karta hai based on prompt.

Q4: Name any two developer tools introduced with Gemini 3.0.

Google Antigravity — ek agent-first development platform jisme agents editor, terminal, aur browser mein kaam karte hain. Gemini CLI client-side bash tool — jisse model shell commands propose kar

sakta hai aur development workflows automate ho sakti hain. (Bonus: Gemini is also available in AI Studio, Vertex AI, aur third-party platforms jaise Cursor, GitHub, JetBrains, etc.)

Before Enable:

```
Using: 1 GEMINI.md file

> ▌ Type your message or @path/to/file

~                              no sandbox (see /docs)                              auto
```

After Enable:

```
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)
```