Q) **How to generate 10,000 quizzes at no cost using Gemini API free tire?**

Of course. Let's break down how the Gemini API free tier works and how you can leverage it to generate your 10,000 quizzes at no cost.

**What is the Gemini API Free Tier?**

The free tier is Google's way of letting developers build and experiment with the Gemini API without any financial commitment.1 Instead of giving you a one-time credit, it provides a generous **rate limit** for free requests.2

As of July 2025, the standard Gemini API free tier (for models like Gemini 1.5 Flash and Pro) offers:

* **60 Requests Per Minute (RPM)**

This means you can make up to 60 calls to the API every single minute, completely free of charge. For most development, testing, and even small-scale production apps, this is more than enough. If you exceed this limit, you'll get an error message until the next minute starts.

**How Many Quizzes Can Be Covered for Free?**

The free tier is more than sufficient to generate your 10,000 quizzes. In fact, you can do it very quickly.

Let's use our efficient "batching" strategy from before, where we ask for multiple quizzes in a single API request.

1. **Your Free Limit:** You have **60 requests** you can make every minute.
2. **Your Batch Size:** Let's say you ask for **20 quizzes** in each API request.
3. **Your Free Generation Rate:**
   * 60 Requests/Minute × 20 Quizzes/Request = **1,200 quizzes per minute**

With the free tier, you can generate up to 1,200 high-quality quizzes every minute at no cost.

**Calculating the Time to Generate 10,000 Quizzes**

* **Total Needed:** 10,000 quizzes
* **Generation Rate:** 1,200 quizzes per minute
* **Time Required:** 10,000 / 1,200 = **~8.3 minutes**

**Conclusion:** You can generate your entire set of 10,000 quizzes in **less than 10 minutes for free** using the Gemini API's standard free tier.

**A Practical Step-by-Step Approach**

To make sure you stay within the free tier and avoid errors, here is the best way to structure your generation script:

1. **Get Your API Key:** Obtain a free API key from [Google AI Studio](https://aistudio.google.com/app).
2. **Write Your Script:** In your preferred language (like Python), create a loop that will run 500 times (since 500 requests × 20 quizzes/request = 10,000 quizzes).
3. **Build in a Delay:** This is the most important step. To ensure you don't exceed the 60 RPM limit, add a small delay after each API call. A 1-second delay is perfect.

**Python Example Snippet:**

Python

import google.generativeai as genai

import time

import json

# Configure with your API key

genai.configure(api\_key="YOUR\_API\_KEY")

model = genai.GenerativeModel('gemini-1.5-flash')

all\_quizzes = []

# We need 500 calls to get 10,000 quizzes (20 per call)

for i in range(500):

print(f"Making request {i+1}/500...")

# This is the API call

response = model.generate\_content("Generate 20 multiple-choice trivia questions about world history...") # Your detailed prompt

# Add the results to your list

# You'll need to parse the response.text to get the JSON

# ... parsing logic here ...

# --- IMPORTANT: Wait for 1 second to stay within the free tier limit ---

time.sleep(1)

# Save all quizzes to a final file

with open('10000\_quizzes.json', 'w') as f:

json.dump(all\_quizzes, f, indent=2)

print("Successfully generated 10,000 quizzes!")

**Important Considerations**

* **Policy Changes:** Free tier limits are subject to change.3 Always check the official [Gemini API pricing page](https://ai.google.dev/gemini-api/docs/pricing) before starting a large project.
* **One-Time vs. Ongoing:** The free tier is perfect for a one-time bulk generation. If your app will need to generate new quizzes for users dynamically and in high volume 24/7, you might eventually need a paid plan.
* **Best for Most Users:** The vast majority of developers starting new projects will find that the free tier covers all their needs for a long time.