Section 1: Introduction to Google Colab

1. **What is Google Colab?**
   A. A cloud-based spreadsheet tool
   B. An online Jupyter notebook environment
   C. A code editor for HTML and CSS
   D. A GitHub repository viewer
   Answer: B
2. **Which of the following is NOT an advantage of Google Colab?**
   A. Free access to GPUs and TPUs
   B. Requires complex local setup
   C. Integration with Google Drive
   D. Easy sharing and collaboration
   Answer: B

Section 2: Getting Started

3. **How can you create a new Colab notebook from Google Drive?**
   A. File > New > Notebook
   B. Tools > Create Notebook
   C. New > More > Google Colaboratory
   D. Insert > Notebook
   Answer: C
4. **Which of the following is part of the Colab interface?**
   A. Debugging Console
   B. Menu Bar
   C. Media Library
   D. Export Panel
   Answer: B

Section 3: Writing and Executing Code

5. **How do you add a new code cell in Google Colab?**
   A. Press Ctrl + M + A
   B. Click + Text
   C. Press Ctrl + M + B
   D. Double-click the sidebar
   Answer: C
6. **How can you execute a code cell in Colab?**
   A. Ctrl + Enter
   B. Shift + Enter
   C. Alt + Run

D. Esc + E
Answer: B

7. **What markup language do text cells in Colab support?**
   A. HTML
   B. LaTeX
   C. Markdown
   D. YAML
   Answer: C

Section 4: Managing Your Environment

8. **How do you install additional libraries in Colab?**
   A. Using apt install
   B. Using pip in a terminal
   C. Using the command: `!pip install`
   D. Uploading a library manually
   Answer: C

9. **How can you enable a GPU in Colab?**
   A. Tools > Hardware > GPU
   B. File > Runtime > GPU
   C. Edit > Preferences > GPU
   D. Runtime > Change runtime type > GPU
   Answer: D

10. **What is the command to download a file in Colab?**
    A. `download_file()`
    B. `files.download()`
    C. `save_to_drive()`
    D. `get.file()`
    Answer: B

Section 5: Advanced Features

11. **What is required before accessing your Google Drive in Colab?**
    A. A premium subscription
    B. Enabling 2FA
    C. Authenticating your Google account
    D. Installing the Drive SDK
    Answer: C

12. **Which of the following is a method to access a GitHub repository in Colab?**
    A. `!clone github.com`
    B. `!git install repo.git`
    C. `!github connect`

D. `!git clone`
Answer: D

Section 6: Best Practices and Tips

13. **Which of the following is a recommended best practice in Colab?**
    A. Always code in JavaScript
    B. Avoid saving notebooks
    C. Use comments to explain logic
    D. Disable autosave
    Answer: C
14. **Which feature helps keep a Colab notebook clean and tidy?**
    A. Clear all inputs
    B. Clear all outputs
    C. Reset runtime
    D. Reload data
    Answer: B

Section 7: Alternatives to Google Colab

15. **Which platform offers a similar free access to GPUs and is good for competitions?**
    A. Deepnote
    B. Kaggle Notebooks
    C. AWS SageMaker
    D. Run.ai
    Answer: B
16. **Which Colab alternative is specifically geared toward enterprise users and integrates with Kubernetes?**
    A. Paperspace
    B. Run.ai
    C. Azure ML Studio
    D. Deepnote
    Answer: B
17. **Which alternative is best suited for deploying AI models with interactive UIs?**
    A. Hugging Face Spaces
    B. Kaggle Notebooks
    C. Azure Machine Learning Studio
    D. JupyterHub
    Answer: A
18. **Which of the following provides drag-and-drop ML building along with code-based development?**
    A. Deepnote

B. Google Sheets
C. Azure Machine Learning Studio
D. Run.ai
Answer: C