

1. What is the main purpose of a "prompt" when interacting with an AI? 30012588

- To give the AI a specific instruction, question, or task to perform.
- To check if the AI is turned on and functioning.
- To permanently delete data and remove records from the AI's memory.
- To update the AI's software to the latest version.

2. A student is considering using NotebookLM on a Google Workspace for Education Account to organize research notes but is concerned about data privacy. What assurance does NotebookLM offer regarding the handling of uploaded documents and queries? 30012588

- NotebookLM when used with Google for Workspace in Education, offers added data protection, meaning the data you enter, including sources, queries, and responses, is not human-reviewed and not used to train AI models.
- NotebookLM uses uploaded data and queries to personalize the Audio Overview feature for all users.
- NotebookLM requires users to agree to share anonymized data for model training upon account creation.

3. You can listen to the response in Gemini?

- True
- False

4. You can upload your own files to a Gem?

- True
- False

5. Which of the following is an appropriate and ethical use of AI? 30012588

- A student uses Gemini to generate a list of brainstorming keywords, which they then use to guide their own independent research.
- A student asks Gemini to invent a quote from a historical figure and includes it in their essay.
- A student uses Gemini to generate an image for a presentation that visually reinforces a negative stereotype.

6. Because generative AI models like Gemini are trained on vast amounts of data, their outputs can always be considered free of factual errors and biases.

- True

- False

7. A student is concerned that by using an AI for research, they might uncritically accept a biased viewpoint presented in the output. What is the best proactive strategy to mitigate this specific risk?

- Always treat the AI's output as a starting point and cross-reference its claims with diverse, reliable academic sources
- Only use the AI for topics they are already an expert in.
- Prompt the AI to produce output that is unbiased.
- Write the entire paper first and then use the AI to find sources that support their argument.

8. Which Google tools offer an integration with Gemini? (Select all which apply)

- Google Docs
- Google Drive
- Google Meet
- Google Calendar

9. What are the four main areas to consider when writing an effective prompt? 30012588

- Persona, Task, Context, and Format
- Length, Speed, Detail, and Tone
- Grammar, Spelling, Urgency, and Topic
- Recipient, Sender, Subject, and Body

10. What is the main benefit of "working back and forth" with Gemini when developing a practice quiz, as opposed to simply accepting the first version it generates? 30012588

- It allows the student to refine the questions to better match the course content, desired format, and appropriate difficulty level.
- It is the only way to get Gemini to produce a quiz.
- It makes the process take longer, which forces the student to memorize the material.
- It guarantees that the questions will be identical to the ones on the actual exam.

11. When AI chatbots generate false, nonsensical, or misleading outputs that seem believable, these errors are referred to as what?

- Hallucinations

- Glitches
- Misinformation
- Biases

12. If you use Gemini to paraphrase a paragraph from a textbook and then submit it in your essay, it is not considered plagiarism because an AI tool changed the words for you.

- True
- False

13. Match the academic task with the most appropriate Gemini tool or feature.

1. Drafting an email to a professor asking for an extension on a paper. - Gemini in Gmail
2. Creating a detailed project timeline with milestones and assigned tasks. - Gemini in Docs or Gemini in the Gemini App
3. Generating a personalized quiz based on a specific PDF Document. - NotebookLM

14. Your recent chats can be saved in Gemini?

- True
- False

15. Effectively leveraging AI as a student means using it to enhance, not replace, your own intellect. Which of the following uses of Gemini are good examples of this principle? (Select TWO) 30012588

- Using Gemini to generate an entire lab report based on a set of data.
- Asking Gemini to act as a debate opponent to help you find weaknesses in your own argument.
- Prompting Gemini to summarize your lecture notes into key themes to help you prepare for an exam.
- Having Gemini take an online quiz for you.

16. Which of the following describes a Gem? 30012588

- Gems let you save detailed prompt instructions for your most repeatable tasks so you can save time using Gemini.
- Gems help you research topics in detail to create multi-page reports that can be exported to Google Docs.
- Gems are a file storage area inside Gemini for Docs, Sheets and Slides.
- Gems are a version history tool for Gemini.

17. A student project team is struggling with keeping their research organized. Notes are scattered across different emails and personal documents, causing confusion. What workflow improvement would best solve this problem? 30012588

- **Establish a shared NotebookLM project as the central repository for all research notes, articles, and sources.**
- Use Canvas in Gemini to create a quiz, based on the same topic as the research notes.
- Use Imagen in Gemini to create images that represent the same topics as the research notes.

18. Which of the following tools are available in Gemini? 30012588

- **Guided Learning - Learn and Understand Topics**
- **Canvas - Create Docs and Apps**
- **Image - Create with Imagen**
- Song - Create new musical songs

19. Match the ethical term with its correct definition in the context of using AI 30012588

1. Algorithmic Discrimination - The potential for an AI's output to unfairly disadvantage or misrepresent individuals based on their membership in a particular group.
2. Data Privacy - The principles and safeguards that protect a user's personal and sensitive information when interacting with a digital service.
3. Intellectual Property - The ethical and legal framework governing the ownership and rights associated with creative works, including those generated with AI assistance.

20. Gemini on a Google Workspace for Education account doesn't use your data to train the model. 30012588

- **True**
- False

21. Which of the following can be created in NotebookLM (select all which apply) 30012588

- **Audio Overview**
- Video Overview
- **Mind Map**
- Google Sites

22. You can customize the Audio Overview in NotebookLM to make the length shorter or longer. 30012588

- True
- False

23. Match the practical strategy with the primary AI literacy skill it is designed to cultivate. 30012588

1. Evaluating for bias - A student consciously inspects an AI's depiction of a group of people for accurate representation.
2. Preventing misinformation - A student always fact-checks AI-generated statistics using a reliable external source.
3. Prompt engineering - A student always asks follow-up questions to the AI, asking it to refine its answers or provide more detail.

24. Which of the following data sources can be used in NotebookLM (select all which apply) 30012588

- Web Pages
- Google Docs
- Copied Text

25. A student wants to use the Gemini app to help them brainstorm ideas for a group project. Which of the following is the correct way to begin this task? (Select all that apply) 30012588

- Navigate to [gemini.google.com](https://gemini.google.com), then enter a prompt into the message box to start a conversation.
- From the App Launcher, select Gemini, then enter a prompt into the message box to start a conversation.
- Head to Google Drive, select "New" and then "Gemini", then enter a prompt into the message box to start a conversation.
- Go to Google Sheets and click the "Start with Gemini" button in the toolbar, then enter a prompt into the message box to start a conversation.

26. A student's organisation gives the following guidance about the use of Gemini: "Use Gemini to augment, not replace, your core scholarly skills." Which of the following actions would violate this rule? 30012588

- Using Gemini to perform the complete statistical analysis for a research project and writing the results section based on its output.

- Using Gemini to brainstorm a list of potential essay topics.
- Using Gemini to generate a simple definition of a complex term as a starting point for understanding.

27. Match the advanced benefit of using Gemini with the student activity that best demonstrates it. 30012588

1. Understanding Complex Topics - Asking Gemini to explain a concept using an analogy based on the student's favorite sport.
2. Sparking Creativity - Prompting Gemini to iterate on three project ideas for a marketing class.
3. Personalized learning - Having Gemini create an audio overview of class notes to listen to while walking to class.

28. A student finds that when they ask Gemini to help brainstorm ideas for a start-up company, it frequently suggests technology and app-based businesses. This is less helpful for the student, who is interested in sustainable agriculture. This limitation, where the AI defaults to the most common examples from its training, is a result of: 30012588

- The algorithm's design favors statistically probable and widely documented concepts.
- The AI's specific instructions to only promote technology companies.
- A complete lack of agricultural information in the AI's training data.
- The student is using the free version of the tool.

29. Which of the following data sources can be used in NotebookLM (select all which apply) 30012588

- Web Pages
- Google Docs
- Copied Text

30. You are beginning a literature review for a research project and need to generate some initial ideas. How can Gemini primarily support this academic task? 30012588

- By assisting with brainstorming, exploring ideas, and organizing thoughts for the review
- By automatically writing the entire literature review for you.
- By providing a list of unverified sources without further context.
- By correcting grammar and spelling in the final draft.

31. Which of the following features is primarily designed to help create multi-page reports?

- Deep Research
- Canvas
- Imagen
- Gems

32. You can upload an MP3 file to NotebookLM

- True
- False

33. A student wants to create a video based on a Google Slides Presentation they already have. Which of the following methods would be the best method to produce a new video?

- Open Google Vids and in the prompt box use @ to include the slides file in the video prompt.
- It allows you to demonstrate your thought process and how you used AI as a supportive tool if asked.
- Open Google Vids, press "Start with a Template" and then enter the information from each slide into the video.

34. A student needs to create a summary of a complex scientific article for a study group. Which prompt most effectively guides Gemini to produce a useful response? 30012588

- You are a peer tutor. Summarize the key findings and conclusions of the provided article in 2-3 paragraphs, using simple and clear language that a college student could easily understand.
- You are an advanced scientific professor, write in detail about the provided article, use detailed scientific language throughout.
- Make a summary of the scientific article.
- Summarize this article in 2-3 paragraphs.

35. What is a key distinguishing characteristic of Generative AI compared to other forms of AI? 30012588

- It can create new and original content, such as text, images, or music.
- It is used exclusively for analyzing existing data.
- It refers to the physical hardware that powers artificial intelligence.
- It is a set of rules that AI must follow.

36. A student is writing a research paper on the impacts of social media on elections. Which of the following prompts is the most effective according to the PARTS framework? 30012588

- Act as a university professor of political science. Explain three major impacts of social media on modern elections for a first-year undergraduate audience. Use a formal, academic tone and structure the response with clear headings for each point.
- Tell me about social media and elections.
- List some impacts of social media on elections.
- Give me some pros and cons about social media's role in politics, but make it interesting.

37. When NotebookLM answers a question based on the sources you've uploaded, how does it help you verify the information? 30012588

- It provides inline citations that link directly to the relevant passages in your sources.
- It provides a confidence score for each answer.
- It emails a bibliography of the sources to you.
- It highlights the information in a different color.

38. Match the AI limitation with the student scenario that best illustrates it. 30012588

1. Knowledge Cut Off - A student asks the AI for the results of a political election that finished yesterday, and the AI says it does not have information beyond its last update.

2. Lack of lived experience - A student asks the AI to describe the feeling of homesickness. The AI provides a dictionary definition but cannot convey the actual emotional sensation.

3. Lack of moral understanding - A student asks the AI if a character in a play is making the right choice. The AI lists ethical frameworks but cannot form a genuine judgment.

39. A student uses Gemini to research historical events. They notice that the AI's responses consistently emphasize perspectives from certain countries while minimizing contributions from other regions. This is a direct example of which key ethical principle? 30012588

- Algorithmic Bias
- Glitches
- Data Transparency
- Digital Responsibility

40. A professor is in her Gmail inbox, viewing a long, multi-part email from a prospective graduate student. How can she leverage the integrated Gemini features to streamline her response most efficiently?

- Open gemini.google.com in a new tab and prompt it, "Write me an email to a prospective student," uploading a PDF of the source email.
- Within Gmail. First, click "Summarize this email" to grasp the key points, then click "Smart Reply" or "Help me write" to generate a professional, context-aware draft. Ensuring to fully read and edit the output before sending.
- Copy the entire email, open notebooklm.google.com, paste the text, and ask it to generate a reply.

41. Gemini's Canvas feature can be used for tasks like generating working computer code from an idea or creating interactive infographics.

- False
- True

42. Which of the following best describes a "process-oriented" approach to mitigating AI-related academic misconduct?

Utilizing AI detection software as the primary mechanism to identify and penalize students who use generative AI inappropriately.

Creating a stringent syllabus policy that mandates an automatic failing grade for any student submission found to contain AI-generated text.

Shifting all major assessments to in-person, proctored examinations to eliminate the possibility of AI use during testing.

Redesigning assignments to require students to submit intermediate artifacts, such as annotated bibliographies, prompt histories, and reflections on their research and writing process.

43.

Analyze the following common student challenges when faced with complex source material. Match each challenge to the NotebookLM feature that is most effectively applied to solve it.

1. "I want to study the material, but didn't take notes and don't have time to re-read it."

"Audio Overview"

2. "I'm confused about how the author's five main arguments relate to each other."

"Mind Map"

3. "I want to review the key concepts while I am walking across campus."

"Study Guide" (e.g., Summary, FAQs)

1. Study Guide

2. Mind Map

3. Audio Over View

44. Imagine you use your "Rubric Generator" Gem for the first time. The output is logical but uses overly simplistic language not suitable for graduate students. What is the most efficient next step?

- Edit the Gem's "Instructions" to add a new "Persona" constraint (e.g., "Use a professional, academic tone suitable for graduate-level instruction").
- Prompt in a standard Gemini chat to get the desired output.
- Delete the Gem and restart from scratch, as a Gem's instructions cannot be modified after its first use.

45. An economics professor finds herself frequently prompting Gemini with the same 10-line instruction to generate discussion questions based on the reading. Her goal is to create a reusable, custom version of Gemini that has these specific instructions permanently saved for repeated use. Which Gemini feature should she use to build this specialized assistant?

- Guided Learning
- Veo
- Canvas
- Gems

46. A professor's objective is to generate graduate-level, analytical discussion questions on Moby Dick. Gemini generated the following output:

"Here are your discussion questions:

Who is the main character in Moby Dick?

What is the name of the whale?"

- The questions are fact-based recall and clearly do not meet the professor's objective. What is the most effective and efficient next step the professor should take?
- Ask Gemini to "search the web for harder Moby Dick questions" to find better examples from other courses.
- Copy the flawed output and paste it into NotebookLM, as that tool is better at analyzing literary content.
- At this point, discard the entire chat and manually write the analytical questions from scratch, as the AI has demonstrated it cannot perform the task.
- Use the Gemini chat interface to provide a refinement prompt, asking Gemini to make the questions more "analytical" and "appropriate for a graduate-level audience."

47. A faculty member decides to use Gemini to reformat their completed bibliography from APA style to MLA style. Which statement provides the best justification for this decision?

- This is a poor decision, as the AI is likely to introduce hallucinations (fabricated sources) into the bibliography.
- This is an appropriate decision, but only if the faculty member knows how to do it manually.
- This is a highly appropriate decision, as the task is mechanical, rule-based, and carries a low risk of conceptual error, while offering a high benefit of efficiency.

48. You are designing a Gem to act as a "Literature Review Scaffold." You want it to prompt students to find connections between sources. Which instruction is most effective?

- "When the user uploads two or more papers, your only role is to ask probing questions that forces them to synthesize a connection or identify a conflict between the texts. Begin with general questions and get more specific as the user needs more assistance"
- "Find two papers with commonality and propose these as sources to the user when they enter their topic."
- "Read all uploaded papers and write a complete summary of each one for the user."

49. A political science professor uploads a 40-page, dense academic journal article into NotebookLM to assign to their students. Which statement best explains how this action facilitates differentiation?

- NotebookLM can translate the article into five different languages, which is a form of accessibility and therefore differentiation.
- It enables students to interact with the text via a chat interface, allowing them to ask clarifying questions (e.g., "Explain the author's main argument in paragraph three") or generate on-demand summaries or definitions. Each student's interaction with the text will be different depending on the level of support they elicit.
- NotebookLM will automatically search the open web to find simpler, non-academic articles on the same topic for students who are struggling with the original.

50. A lecturer writes the following prompt:

"Create a case study about a business ethics dilemma."

Analyze this prompt. Which of the following elements from the PARTS framework are missing, making this prompt less effective than it could be? (Select all that apply.)

Select 4 Correct Responses

- Theme (e.g., "...focusing on shareholder vs. stakeholder theory.")
- Action (e.g., "Create a case study...")
- Structure (e.g., "...include 3 discussion questions at the end.")
- Recipient (e.g., "...for an MBA-level class.")
- Persona (e.g., "Act as a business school professor...")

51.

Student Challenge	Best NotebookLM Feature
1. "I want to study the material, but didn't take notes and don't have time to re-read it."	"Study Guide" (e.g., Summary, FAQs)
2. "I'm confused about how the author's five main arguments relate to each other."	"Mind Map"
3. "I want to review the key concepts while I am walking across campus."	"Audio Overview"

52. Chức năng chính của một Gem tùy chỉnh trong nền tảng Gemini là gì?

- Cung cấp cho người dùng các câu hỏi mẫu, chung chung để giải đáp những thắc mắc thường gặp.

- Xóa vĩnh viễn lịch sử nhắc nhở của người dùng và giải phóng bộ nhớ của Gemini.
- Để lưu trữ một bộ hướng dẫn, vai trò và ngữ cảnh cụ thể, cho phép người dùng thực hiện một tác vụ có tần suất cao một cách đáng tin cậy và lặp đi lặp lại.
- Để kết nối Gemini với các ứng dụng của bên thứ ba và phần mềm bên ngoài.

53. "Digital Responsibility" is a static concept, and the policies a university develops for it today will not need to change as AI technology evolves.

- False - "Digital Responsibility" is an evolving framework. As AI capabilities expand (e.g., new models, video generation, advanced data analysis), they introduce pedagogical, ethical, and privacy challenges that require university policies to be continuously reviewed and adapted.
- True - "Digital Responsibility" is a fixed set of rules. The framework is already designed to encompass technological change and to address new issues like AI-driven misinformation, privacy risks, and the nature of academic integrity.

54. "Which of the following actions constitute a generative application of Gemini's image feature, Create Images, resulting in the creation of context-specific content? (Select all that apply.)

Select 2 Correct Responses

- Prompting Gemini to identify an existing stock photo that matches a lesson topic.
- Generating a series of distinct images that, when combined, illustrate a complex historical narrative in a new way.
- Iteratively refining a prompt to achieve a highly specific visual metaphor for an abstract concept in philosophy."

55. The most direct navigation point for a user to initiate a new, general-purpose, web-informed conversation with Gemini (e.g., "brainstorm ideas for a discussion on the Roman Republic") is to go to the web interface at gemini.google.com.

- True
- False

56. A professor is applying for a grant and has the 10-page "Call for Proposals" (CFP) document. They need to draft a "Project Summary" that specifically aligns with the funder's "Key Funding Priorities" listed in that document.

- Which of the following applications of Gemini represents the most streamlined and effective workflow for this task?
- Upload the CFP.pdf to NotebookLM, ask it to summarize the priorities, then copy that summary, open the Gemini app, and use that summary to prompt for the draft.
- Copy-paste the entire "Key Funding Priorities" section from the CFP.pdf directly into the prompt box, and then ask Gemini to write the summary.

- Upload the CFP.pdf to the Gemini app and prompt: "Using @CFP.pdf, draft a 'Project Summary' for my research, ensuring it aligns with the 'Key Funding Priorities' outlined in the document."
- Prompt Gemini to "Write a strong, general 'Project Summary' for a grant," and then edit the draft to match the priorities from the CFP.

57. You have imported a Google Slide deck into Google Vids in order to transform your lecture into an asynchronous assignment. When leveraging the integrated Gemini features, which of the following components can you leverage for your new video? (Select all that apply)

Select 3 Correct Responses

- A draft script based on the content and speaker notes of the imported slides.
- A set of interactive, auto-graded quiz questions embedded in the video player.
- A suggested storyboard with AI-selected stock footage and animations.
- An AI-generated voiceover track, with options for different tones and styles.

58. An instructor applies the following prompt to generate a formative assessment: "Tell me what you know about the French Revolution."

Why is this an ineffective prompt for the task?

- It is too specific and will confuse Gemini, which is better at broad, open-ended questions.
- It is too broad and lacks a clear task, role, or context, which will likely result in a generic, non-scholarly summary rather than a usable assessment.
- It fails to specify the "Deep Research" feature, which is required for all historical topics.
- It uses conversational language ("Tell me..."), which generative AI cannot process efficiently.

59.

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A professor is using Gemini for several tasks. Classify each scenario with its primary pedagogical function

1. Prompting Gemini to rewrite a complex, peer-reviewed article for an undergraduate 100-level course.	Scaling instruction differentiation
2. Prompting Gemini to brainstorm a five-module outline for a new special-topics seminar, including key learning objectives.	Augmenting assessment design
3. Prompting Gemini to generate three different short-answer questions for a quiz based on an uploaded lecture.	Scaffolding curriculum development

1. Scaling instruction differentiation
2. Scaffolding curriculum development
3. Augmenting assessment design

60. Which of the following are features within NotebookLM that are designed to help faculty and students transform their source materials into new formats? (Select all that apply.)

Select 3 Correct Responses

- Study Guides
- Audio & Video Overviews
- "Help me write"
- Real-time translated captions
- Mind Maps

61. The primary difference between Generative AI and other forms of AI (such as classification models) is simply the size of the dataset; both perform the same fundamental tasks.

- True - All artificial intelligence is fundamentally about data analysis. Whether the AI is classifying an image or generating text, it is just applying complex statistical analysis to a large dataset. The difference in output is one of scale, not a fundamental difference in the task.

- False - This is a difference in function, not just dataset size. The fundamental tasks are distinct: traditional AI models are often discriminative (e.g., classifying data, 'Is this a cat?'). Generative AI is creative (e.g., generating new data, 'Create a picture of a cat').

62. A key difference between using a general, publicly available generative AI tool and using a version covered by an institutional data protection agreement (e.g., Gemini for Education or Gemini in Google Workspace) is that in the institutional version, the user's conversational data and prompts are typically not used to train the underlying large language model.

- True
- False

63. A professor wants to create and save a custom version of Gemini with specific instructions (e.g., "You are a writing assistant for graduate-level research papers. Your tone is formal and critical. You will focus on identifying logical fallacies."). Which Gemini feature is designed for this purpose?

- NotebookLM
- Veo
- Gems
- Canvas

64. A faculty member needs to perform a broad, exploratory literature scan on an emerging, interdisciplinary topic they know little about. Their goal is to get a multi-page, cited report that synthesizes information from across the web. Which Gemini tool would best meet this need?

- Canvas
- Create Images
- Guided Learning
- Deep Research

65. An instructor wants to iteratively design a set of differentiated learning paths for a single assignment.

Which of the following Gemini prompts would be effective steps in creating this customized asset? (Select all that apply)

Select 2 Correct Responses

- "Take the text I've uploaded (@Source.pdf) and create two different summaries: one written for a first-year undergraduate, and one written for a graduate student."
- "Find three other articles on the web that are related to @Source.pdf."

- "You are an instructional designer. Design three different 'final project' options for my course on 'Renaissance Art': 1. A traditional research paper, 2. The design of a virtual museum exhibit, 3. A group debate."
- "Summarize the text at @Source.pdf."

66. A professor uploads their syllabus and prompts Gemini: "Generate a 10-question quiz based on this syllabus to help students understand the course's main learning objectives and major assignment policies." The AI generates a quiz that instead focuses on trivial, non-academic details (e.g., "What is the professor's office number?", "What font is the syllabus written in?"). This output should be analyzed as: (Select all that apply)

Select All Correct Responses

- Pedagogically inappropriate, as it misaligns with assessment goals.
- A hallucination, as the information is likely in the source document.
- A bias against the prompter.
- A failure to understand the semantic context and purpose of a syllabus.
- This item can be moved. Use the space bar to grab it.

67. You want to develop a new in-class activity to facilitate a critical discussion about the impact of AI on a specific profession. Which of the following artifact designs would be the most effective in achieving this goal?

- A structured, formal debate with the prompt: "Resolved: The integration of generative AI into this profession will primarily devalue, rather than augment, human expertise."
- A multiple-choice quiz testing students' knowledge of the names and functions of current generative AI tools.
- A 50-minute lecture detailing your own predictions for how AI will change the field, followed by a brief Q&A.
- A reading assignment where students read three articles on AI and submit a one-page summary of their findings.

68. What is the primary function of "Generative AI" (GenAI)?

- It is a tool used to find and label bias in a set of data.
- It acts as an advanced search engine that only finds and displays existing web-based content.
- It describes the physical computers (servers) that run advanced software.
- It creates content (e.g. text, images, or code) by learning and applying patterns from large datasets.

69. Which statement most accurately defines a generative AI "hallucination"?

- A response where the AI model refuses to process a prompt due to built-in ethical or safety guardrails.

- An output that is factually correct but fails to include critical nuances or recently published contradictory findings.
- A response that is presented with high confidence but is factually incorrect, nonsensical, or entirely fabricated, such as inventing a source or misstating data.
- An output that demonstrates systemic partiality or prejudice derived from the model's training data.

70. A TA, aiming for efficiency, uses Gemini to grade all final essays. They provide the AI with the course rubric and a prompt to "assign a grade and provide three points of feedback." The TA then enters these grades directly into the gradebook, only spot-checking a few submissions that received very low scores.

Which of the following potential ethical dilemmas are present in this scenario? (Select all that apply)

Select All Correct Responses

- A "digital divide" dilemma, as all students are being graded by the same system.
- A lack of transparency with students, who may not know their work is being evaluated by an AI.
- The risk of automation bias, where the TA uncritically trusts the AI's "spot-checked" low scores, assuming them to be correct.
- A pedagogical dilemma, as the AI-generated feedback may be generic, superficial, and ultimately unhelpful for student learning.

71. A professor uploads their 30-page course syllabus into NotebookLM. What is the primary pedagogical application of this action?

- To create a "source-grounded" environment where their students can ask specific questions (e.g., "What is the late policy for essays?") and receive answers based only on the syllabus content.
- To check the syllabus for plagiarism against a university database.
- To automatically email the syllabus to all enrolled students via their learning management system.
- To back up the syllabus file to the cloud, which is a function of NotebookLM via Google Drive.

72. A lecturer asks Gemini for a summary of the Industrial Revolution for a first-year seminar. The AI generates a response that focuses exclusively on the achievements of entrepreneurs and technological progress, omitting any mention of labor exploitation, social disruption, or environmental impact. An analysis of this output would primarily identify a concern related to:

- Contextual inappropriateness
- Hallucination

- Factual inaccuracy
- Bias of omission and perspective

73. A proactive plan to address AI-driven academic misconduct should include formulating a new, clear citation standard for how students must acknowledge the use of generative AI in their work.

- True
- False

74. A key principle of responsible AI use in academia is that the educator's critical judgment and subject-matter expertise should be supplemented, not bypassed or replaced, by the technology.

- False
- True

75. Gemini's capabilities are integrated across the Google Workspace ecosystem. Which of the following tools allow a user to generate content using Gemini? (Select all that apply.)

- Google Vids
- Gmail
- Google Slides
- Google Docs

76. An instructor observes that students are using Gemini to generate entire first drafts of complex analytical essays. The resulting submissions are grammatically sound but often lack original argumentation, critical depth, and a unique authorial voice. Which is the most accurate analysis of the risk this scenario illustrates?

- The risk of data bias, which can be mitigated by training students to write better, more-inclusive prompts.
- The risk of student over-reliance, which can be mitigated by redesigning the assignment to require process artifacts (e.g., prompt histories, annotated drafts, reflections).
- The risk of hallucinations, which can be mitigated by requiring students to use a different AI model.
- The risk of intellectual property theft, which can be mitigated by using a plagiarism detector.

77. In the context of generative AI, which of the following provides the most accurate description of "bias"?

- The personal, political, or social opinions intentionally programmed into an AI by its developers to persuade users.
- The isolated, random errors or "hallucinations" that an AI produces.

- The systematic reproduction of inequitable assumptions, stereotypes, or statistical skews present in the AI's training data or algorithmic design, leading to outputs that may unfairly privilege or disadvantage certain groups.
- The AI's inability to generate creative content and its tendency to provide only factual, objective information.

78. Which statement most accurately explains Google's data handling policy for Gemini when used with a Google Workspace for Education account?

- Interactions are treated as "Core Service" data; they are not used to train generative AI models, are not reviewed by humans, and remain within the user's organization.
- All prompts are immediately and permanently deleted after the answer is generated, and no chat history is ever saved.
- Interactions are treated like public consumer data, which Google uses to train future AI models.

79. When explaining the cause of hallucinations to a colleague, which statement is the most accurate?

- "Hallucinations are an inherent risk of Large Language Models, which are designed to predict the next most probabilistically plausible word in a sequence, not to query a database of verified facts."
- "Hallucinations are a bug where the AI accidentally accesses and reveals incorrect information from a corrupted part of its database."
- "Hallucinations primarily happen when the AI's training data on a specific, niche topic is too old to be of any use."
- "Hallucinations occur because the AI has a deliberate, programmed agenda to mislead users on specific topics."

80. A faculty member asks Gemini to summarize a complex debate in political philosophy. "Transparency" in this context would be best demonstrated by the AI's ability to:

- Provide accurate citations and data provenance, allowing the faculty member to trace the summary's key claims back to specific, verifiable scholarly sources.
- Generate a summary that is 100% original and contains no phrases or ideas from any existing sources.
- State with 100% confidence that its summary is the only correct interpretation of the debate.

81. Which statement best identifies the primary pedagogical role of Gemini in higher education?

- To serve as a primary, citable source of academic information, superseding peer-reviewed journals.

- To manage all institutional compliance and accreditation reporting for a department.
- To replace the need for faculty expertise in research by conducting fully automated literature reviews and analysis.
- **By enhancing efficiency in instructional design, research, and student support.**

82. An instructor has a Google Doc of their course syllabus and wants to apply the Gemini feature within Google Forms to generate a "syllabus quiz."

- Where would they navigate to initiate this specific, source-grounded task?
- In the Google Doc syllabus, go to "File" and "Export to Google Forms."
- In the Google Form, go to "Settings" then "Quizzes" and toggle "Auto-create with Gemini."
- **In a new Google Form, click the Gemini "Help me create" button/icon at the top of the form. Then use the @ key to attach their syllabus.**

83. When using an AI for teaching or research, what is the primary purpose of a "prompt"?

- To access and modify the AI's underlying source code.
- **To provide the AI with a specific instruction, question, or task, including the necessary context and constraints to guide its output.**
- To initiate a software update for the AI model when needed.
- To encrypt the user's input for data security.

84. Which statement best articulates the importance of metacognition for students using generative AI?

- Metacognition allows students to write more complex prompts, which guarantees factually accurate outputs from the AI.
- **Metacognition enables students to reflect on how they are using the AI, evaluate the quality of its output, and assess how the tool is influencing their own understanding.**
- Metacognition refers to the AI's ability to understand its own knowledge gaps, a feature students must learn to activate.
- Metacognition is primarily important for time management, helping students decide how much time to allocate to AI-assisted research versus traditional research.

85. An instructor uses NotebookLM to generate an audio overview for a complex scholarly article. The AI's output can be described as "an accurate, five-minute summary of the article's main points, delivered in a clear, synthetic voice."

- How should this AI-generated content be evaluated for its pedagogical appropriateness as a supplemental resource?
- **Appropriate, as it supports accessibility and Universal Design for Learning (UDL) principles by providing an alternative modality for students.**
- Inappropriate, as an AI-generated summary, even if described as accurate, is highly likely to contain subtle hallucinations.

86. A professor wishes to teach students to be critically skeptical of AI-generated text. Which of the following strategies would be the most effective pedagogical choice to achieve this specific goal?

- Designing an "AI-integrated" assignment where students must use Gemini for research and then submit a "verification report" that provides a primary source for every AI-generated claim.
- Requiring students to use an AI detection tool on their own papers before submitting them.
- Banning all AI tools to force students to rely on traditional library databases.
- Giving a lecture on the history and technical causes of AI hallucinations.

87. Which of the following scenarios describes a decision that is least justified, posing the highest and most unnecessary risk?

- A professor uses Gemini to brainstorm ideas for a class icebreaker.
- A professor uses a public-facing AI tool to draft feedback for a student's essay, uploading the student's full, named paper which contains personal reflections.
- A professor uses Gemini to generate a summary of a publicly available, open-access journal article.

88. What is a key distinguishing characteristic of Generative AI compared to other forms of AI?

- It is used exclusively for analyzing existing data.
- It refers to the physical hardware that powers artificial intelligence.
- It can create new and original content, such as text, images, or music.
- It is a set of rules that AI must follow.

89. Which of the following features is primarily designed to help create multi-page reports?

- Imagen
- Deep Research
- Gems
- Canvas

90.

1. Knowledge Cut Off - "A student asks the AI for the results of a political election that finished yesterday, and the AI says it does not have information beyond its last update."

2. Lack of moral understanding - "A student asks the AI if a character in a play is making the right choice. The AI lists ethical frameworks but cannot form a genuine judgment."

3. Lack of lived experience - "A student asks the AI to describe the feeling of homesickness. The AI provides a dictionary definition but cannot convey the actual emotional sensation."

91. When NotebookLM answers a question based on the sources you've uploaded, how does it help you verify the information?

- It provides inline citations that link directly to the relevant passages in your sources.
- It emails a bibliography of the sources to you.
- It provides a confidence score for each answer.
- It highlights the information in a different color.

92. Your recent chats can be saved in Gemini?

- False
- True

93. You can upload your own files to a Gem

- False
- True

94. Which of the following is an appropriate and ethical use of AI?

- A student uses Gemini to generate an image for a presentation that visually reinforces a negative stereotype.
- A student uses Gemini to generate a list of brainstorming keywords, which they then use to guide their own independent research.
- A student asks Gemini to invent a quote from a historical figure and includes it in their essay.

93. You can customize the Audio Overview in NotebookLM to make the length shorter or longer.

- True
- False

94.

Match the advanced benefit of using Gemini with the student activity that best demonstrates it.

1. Personalized learning	Prompting Gemini to iterate on three project ideas for a marketing class.
2. Sparking Creativity	Asking Gemini to explain a concept using an analogy based on the student's favorite sport.
3. Understanding Complex Topics	Having Gemini create an audio overview of class notes to listen to while walking to class.

1. Asking Gemini to explain a concept using an analogy based on the student's favorite sport.
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95. A student needs to create a summary of a complex scientific article for a study group. Which prompt most effectively guides Gemini to produce a useful response?

- Make a summary of the scientific article.
- Summarize this article in 2-3 paragraphs.
- You are an advanced scientific professor, write in detail about the provided article, use detailed scientific language throughout.
- You are a peer tutor. Summarize the key findings and conclusions of the provided article in 2-3 paragraphs, using simple and clear language that a college student could easily understand.

96. Which of the following tools are available in Gemini?

- Song - Create new musical songs
- Canvas - Create Docs and Apps
- Image - Create with Imagen
- Guided Learning - Learn and Understand Topics

97. A student wants to create a video based on a Google Slides Presentation they already have. Which of the following methods would be the best method to produce a new video

- Open Google Vids and in the prompt box use @ to include the slides file in the video prompt.

- Open Google Vids, press “Start with a Template” and then enter the information from each slide into the video.
- It allows you to demonstrate your thought process and how you used AI as a supportive tool if asked.

98. A student is concerned that by using an AI for research, they might uncritically accept a biased viewpoint presented in the output. What is the best proactive strategy to mitigate this specific risk?

- Only use the AI for topics they are already an expert in.
- Write the entire paper first and then use the AI to find sources that support their argument.
- Always treat the AI's output as a starting point and cross-reference its claims with diverse, reliable academic sources
- Prompt the AI to produce output that is unbiased.