
English 1 Exam

EU AI Act. On December 8, 2023, EU policymakers reached a deal on the EU AI Act following three days of marathon negotiations. The EU AI Act still needs to go through final steps before it becomes law, but the political accord means that its key parameters have been set. The provisional agreement provides that the EU AI Act will apply two years after its entry into force, with some exceptions for specific provisions. The draft law needs the approval of the Council of the European Union and the European Parliament, which comprises representatives from the 27 countries in the EU.

The legislation, which would apply to providers placing AI systems in the EU market, would take a “risk-based” approach, classifying and regulating systems based on their risk levels. For example, new provisions were introduced to account for general purpose AI systems, to require specific transparency obligations for foundational models before being placed on the market, and to impose a stricter regime for high-impact foundational models.

The draft law also deems risks associated with certain use cases unacceptable, banning, for example, the scraping of faces from the internet or security footage to create facial recognition databases; emotion recognition in the workplace and educational institutions; cognitive behavioral manipulation; social scoring; biometric categorization to infer sensitive data, such as religious beliefs; and certain cases of predictive policing for individuals. However, the draft law also gives broad exemptions for “open-source models.”

Questions:

Part I: Comprehension (10 pts)

1) Read carefully the text above and suggest a title for the text: (1 pts)

.....*EU AI Legislation*.....

2) Answer the following questions according to the text: (3 pts)

a) How is the new legislation going to classify the AI systems in the markets?

The new Legislation will use a risk-based approach to classify AI systems in the market.

b) Give two AI use cases which are banned according to the draft law?

Cognitive behavioral manipulation; social scoring.

3) Find the words in the text that mean: (2 pts)

1. Regulation (1§) = legislation 2. Enforce (2§) = Impose

4) Find in the text the opposites of these words: (2 pts)

1. Disapproval (1§) ≠ approval 2. Opacity (2§) ≠ transparency

5) Find in the text the English translation of the words below: (2 pts)

1. Reconnaissance faciale (3§) = facial recognition 2. Comportemental (3§) = behavioral

Part II: Scientific/Formal writing (10 pts)

1) Rewrite the following sentences, so they have the same meaning. (3 pts)

- a) Generative AI models are generally trained on vast amounts of content and data.

Developers generally train generative AI models on vast amounts of content and data.

- b) A number of content creators and owners have filed suits claiming that use of this content infringes the rights.

Suits have been filed by a number of content creators and owners claiming that the use of this content infringes rights.

2) Fill in the gaps with the correct word: malicious, vulnerable, attack, capability (2 pts)

AI technology has the *capability* to expand the arsenal of bad actors to carry out sophisticated cyberattacks (e.g., large language models can be used to write *malicious* code, engineer advanced phishing attacks or more effectively spread malware and ransomware). In addition, AI systems may themselves be *vulnerable* to data integrity attacks (e.g., through “model poisoning,” an *attack* conducted by introducing malicious information into training data).

3) Formal Writing:

Compose a **formal email** applying for an **internship position** at *AI DEV*, a development company. Your email should be addressed to **the Human Resources department** and demonstrate your interest in the job opening, highlighting your relevant skills, education, and enthusiasm for contributing to the company's AI development projects. Ensure the email follows proper formatting, includes a professional greeting and closing, and is structured in a clear, concise manner. (5 pts)

Subject: Application for Internship Opportunity at AI SOLUTIONS.

Dear [HR Manager's Name or Hiring Team],

I hope this email finds you well.

I am writing to express my interest in the internship opportunity at AI SOLUTIONS, as advertised on your website. With a passion for AI development and a strong educational background in Data Science, I am eager to contribute my skills and enthusiasm to your esteemed company.

During my academic journey and through personal projects, I have gained practical experience in python, SQL and machine learning. that align with your company's AI development focus.

Enclosed with this email is my resume, detailing my educational background, skill set, and experiences for your review.

Thank you for considering my application. I am looking forward to the opportunity to contribute to AI SOLUTIONS and learn from the talented team.

Warm regards,

[Full Name]
[Contact Information]