Week 9

1. How is AI best described?
    a. A multidisciplinary problem
    b. A single-field issue
    c. An entirely theoretical concept
    d. A purely mathematical challenge

2. Which of the following statement is true regarding the development and implementation of AI systems?
    a. Policy considerations and technical details are equally important
    b. Technical details alone are sufficient for effective AI development
    c. Policy considerations are only important in few countries
    d. AI systems do not require any policy or ethical considerations

3. Based on the lecture content: Which of the following statements about AGI is appropriate?
    a. Learning new skills on its own and having emotional intelligence can be characteristics of AGI
    b. AGI cannot learn new skills independently and lacks emotional intelligence
    c. AGI is limited to performing specific tasks and does not require emotional intelligence
    d. AGI only focuses on technical problem-solving without any consideration of emotional aspects

4. Based on the lecture content: From a mathematical perspective, which of the following is **not** considered a major problem in AI today, compared among others?
    a. Explainability
    b. Hallucinations
    c. Data privacy
    d. Bias

5. Which of the following statements best reflects the significance of information rights?
    a. The right to inclusion of information and the right to exclusion of information are both important
    b. The right to exclusion of information is more important
    c. The right to inclusion of information is irrelevant compared to other rights
    d. The right to inclusion is important but not right to exclusion

6. Which of the following statements is true regarding checking for copyrighted information in black-box models?
    a. There is no way to check whether models have copyrighted information in black-box models
    b. All black-box models provide transparency for verifying copyrighted information
    c. Copyright information can be easily extracted from black-box models
    d. Black-box models disclose their training data for copyright verification

7. Who is primarily responsible for self-regulation in the context of AI and technology?
    a. Individuals / Individual organizations
    b. Government agencies
    c. Only the organizations with more than 1 crore turnover
    d. International organizations

8. What role does the government play in the regulation and deployment of large language models (LLMs)?
    a. Strict regulation is provided by the government, which issues licenses to deploy or use LLMs
    b. The government does not regulate LLMs and leaves all oversight to private companies
    c. The government only provides financial support for LLM development without any regulatory role
    d. The government encourages unrestricted use of LLMs without any form of licensing

9. Which of the following is a notable drawback of AI?
    a. Environmental effects, such as high water and energy consumption
    b. Less accuracy in predictions and results
    c. Usage of transformers in models
    d. Consuming more training time

10. Jailbreaking AI models _____?
    a. Produce harmful content
    b. Improve the model's computational efficiency
    c. Increase the model's interpretability
    d. Enhance the model's ethical standards

11. Which of the following are reasons for the delays in AI regulation?
    a. Lack of domain expertise
    b. Challenge of regulating bad without compromising good
    c. Lack of funding
    d. Political pressures
    e. Overabundance of regulations already in place