1. What is the concept of human learning? Please give two examples.

2. What different forms of human learning are there? Are there any machine learning equivalents?

3. What is machine learning, and how does it work? What are the key responsibilities of machine learning?

4. Define the terms "penalty" and "reward" in the context of reinforcement learning.

5. Explain the term "learning as a search"?

6. What are the various goals of machine learning? What is the relationship between these and human learning?

7. Illustrate the various elements of machine learning using a real-life illustration.

8. Provide an example of the abstraction method.

9. What is the concept of generalization? What function does it play in the machine learning process?

What is classification, exactly? What are the main distinctions between classification and regression?

11. What is regression, and how does it work? Give an example of a real-world problem that was solved using regression.

12. Describe the clustering mechanism in detail.

13. Make brief observations on two of the following topics:

i. Machine learning algorithms are used

ii. Studying under supervision

iii. Studying without supervision

iv. Reinforcement learning is a form of learning based on positive reinforcement.