



THE ANSWERS: MCQ

Lecturer: Mark Gillan

Q1 AND Q2

1. Who is the engineer famous for predicting that the number of transistors on a chip would double every two years?

- a) Alan Turing
- b) Charles Babbage
- c) Ada Lovelace
- **d) Gordon Moore**

2. Why is a GPU usually better for AI than a standard CPU?

- a) It uses less electricity.
- b) It is much smaller in size.
- **c) It can handle thousands of small tasks simultaneously (Parallel Processing).**
- d) It doesn't require a cooling fan.

Q3 AND Q4

3. In the context of "Big Data," what does the term "Velocity" refer to?

- a) The physical size of the hard drive.
- b) The different types of data (photos, text, etc.).
- c) The accuracy of the information.
- d) The speed at which new data is generated and collected.

4. Which technology allows a user to access massive AI "thinking power" without needing a supercomputer at home?

- a) Cloud Computing
- b) Bluetooth
- c) Dial-up Internet
- d) Floppy Disks

Q5 AND Q6

5. What is the primary purpose of an NPU (Neural Processing Unit) inside a modern smartphone?

- a) To make the screen brighter.
- b) To increase the volume of the speakers.
- c) To connect to the charger faster.
- d) To handle AI tasks like FaceID and voice recognition efficiently.

6. What is "Deep Learning"?

- a) AI that only works underwater.
- b) A type of machine learning that uses many layers of neural networks.
- c) An AI that has read every book in a library.
- d) A way to store data on a DVD.

Q7 AND Q8

7. Why is "Low Latency" critical for technologies like self-driving cars?

- a) It makes the car go faster.
- b) It keeps the car's battery charged.
- c) It allows the car to play music from the internet.
- d) It ensures the car can react to hazards in real-time without delay.

8. What does "Open Source" mean for AI development?

- a) The software is kept secret by big companies.
- b) The software is partially broken and requires to be fixed.
- c) The code is free for anyone to access, use, and improve.
- d) The AI can only be used during the day.