**Level 5 exam question practice**

Read the item below and then answer the questions that follow.

A psychologist wanted to test the accuracy of eyewitness testimony when using different identification techniques. There had been no previous research. He wanted to compare the use of simultaneous line-ups with the use of sequential line-ups. Simultaneous line-ups involve a witness identifying a suspect when viewing everyone in a line-up at the same time. Sequential line-ups involve looking at one person at a time and deciding whether they are the offender or not. If not, the next person is viewed.

The psychologist had 40 students volunteering to take part in his experiment. He divided them into two equal groups- one group viewed a simultaneous line-up, the other group viewed a sequential line-up. All participants were shown the same staged mugging on film. A week later participants returned to the laboratory to view the line-up.

1. The experimental method used was a laboratory experiment. Give one advantage and one disadvantage of this method (2+2 Marks)
2. Identify the experimental design used in this research (1 mark)
3. Give one advantage and one disadvantage the experimental design they used in this piece of research (2+2 marks)
4. Identify the fully operationalised IV (2 marks)
5. Write a fully operationalised hypothesis (3 marks)
6. Identify the type of sampling was used in this research (1 mark)
7. Give one disadvantage of using this type of sampling.(2 marks)
8. The researcher was worried about not having fully informed consent. Give two possible ways that he could’ve dealt with this issue. (2 +2 marks)
9. Name and explain two types of validity (2 +2 marks)
10. What is meant by reliability(1 marks)
11. How could the researcher have checked the reliability of this experiment? (2 marks)