



Q. Schizophrenia can be treated biochemically with drugs, such as antipsychotics, but they are not always effective.

(a) Plan an experiment to investigate the effectiveness of antipsychotic drugs to treat schizophrenia.

Your plan must include details about:

- **sampling technique**
- **a directional or non-directional hypothesis.**

The aim of the study is to investigate the effectiveness of antipsychotic drugs to treat schizophrenia.

The independent variable will be [redacted]
[redacted]
[redacted]

The dependent variable will be the effectiveness [redacted]
[redacted]
[redacted]

A non-directional hypothesis is proposed, “There will be a significant [redacted]
[redacted]”

A laboratory experiment will be conducted for this investigation. A sample of 100 patients of schizophrenia diagnosed [redacted]
[redacted]
[redacted].



Once participants arrive at the laboratory, they will be screened by an experienced psychiatrist for any signs of suicidality or of causing danger to others. Participants showing such signs will be

[Redacted text block]

After obtaining their consent, participants will be randomly allocated to the two groups. Their names will be written

[Redacted text block]

At the completion of 4 weeks, the participants will have to report to the laboratory for a behavioural test. During this test, they will have to

[Redacted text block]



Post the behavioural test, participants will be

[Redacted text block]

For data analysis, as quantitative data has been collected, the mean scores of each group's performance on the behavioural test will be calculated. For further analysis, a

[Redacted text block]



(b) For one piece of psychological knowledge on which your plan is based:

(i) Describe this psychological knowledge. [4]

One piece of psychological knowledge that the plan is based on is 'antipsychotic drugs for treatment of schizophrenia'. Specifically,

[Redacted]

(ii) Explain how you used two features of this psychological knowledge to plan your experiment. [4]

The feature of

[Redacted]

The feature of

[Redacted]



(c) (i) State two reasons for your choice of sampling technique. [2]

One reason opportunity sampling was chosen was because patients of schizophrenia were needed for the study. Schizophrenia is a [REDACTED]

One more reason was because the study made use of an independent groups design, so a [REDACTED]

(ii) Explain one strength of your choice of sampling technique. [2]

Opportunity sampling will help [REDACTED]

(iii) Explain one reason for your choice of directional or non-directional hypothesis. [2]

A non-directional hypothesis is selected because as proposed in [REDACTED]

Scoring of the 10-marker

Here is a look at how answer (a) falls in the level 5 category, 9-10 markband of Table A scoring criteria for the design-a-study answer-

The response:

• uses an appropriate method as required by the question.

- An experiment has indeed been used in the study. There is a clear manipulation

[Redacted text]

• describes a good range of appropriate method-specific features with accurate detail.

- All features of the experimental method are covered in the plan-

- IV -

[Redacted text]

• describes a good range of appropriate general methodological features with accurate detail.

- All general features are covered in detail in the plan-

- aim - written using correct phrasing;

- hypothesis -

[Redacted text]

• shows very good understanding and the plan is coherent and is sufficient for replication.

- the procedure is given in a step-by-step format, making the plan easy to follow for the examiner logically;
- specific details like

[Redacted]

• clearly applies knowledge of psychological methodology and terminology involved in planning a study.

- all features of experiment and general features are covered as specified previously, showing clear knowledge of methodology;
- there is correct identification of

[Redacted]

• Uses and shows good understanding of ethical guidelines.

- a good range of relevant

[Redacted]