



(a) Plan a field experiment to investigate which psychological treatment is the most effective for managing pain.

Your plan must include details about:

- **experimental design**
- **directional or non-directional hypothesis. [10]**

The aim of the study is to investigate which psychological treatment is the most effective for managing pain.

The independent variable (IV) is the type of psychological treatment administered to participants, manipulated at two levels

[REDACTED]

Accordingly, a non-directional hypothesis is proposed, "There will be a significant

[REDACTED]"

This field experiment will be conducted at a large hospital in the vicinity of the researcher by taking permission from the hospital management. The experiment will be conducted for several days, as many days as

[REDACTED]

Written informed consent will be taken from the participants by informing them that as they undergo their delivery, an expert therapist will guide them on how to manage their pain. Their role will be to

[REDACTED]



An expert pain-management therapist will be requested to carry out the pain-management procedures for both groups. By recruiting an expert for the purpose, it will be assured that the

[REDACTED]

After the process of taking consent, the pain-management of participants will begin individually as each participant enters the delivery room. The therapist will enter with them and

[REDACTED]

After the pain-management procedure is completed, the participants will have to answer the MPQ. Then, they will be

[REDACTED]

Only quantitative data will be collected in this study by using the MPQ. Mean scores achieved on the MPQ will be calculated for both groups respectively and these scores will be

[REDACTED]

(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 has informed my plan is psychological treatments for pain management. These are a group of treatments that target

[Redacted]

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

I used the non-pain imagery treatment method to create

[Redacted]

I used the cognitive redefinition method to create

[Redacted]



(c) (i) Explain one reason for your choice of experimental design.

I chose an independent measures design to avoid carryover effects. If, for example, the women had to use

[Redacted]

(ii) Explain one weakness of your choice of experimental design.

One weakness is that participant variables could confound results, reducing validity. For example, if more women in one of the two groups were

[Redacted].

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

One reason for my choice of a non-directional hypothesis is that

[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.

- A field experiment has indeed been used in the study. There is a clear manipulation of

[Redacted]

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

- All features of the field experiment method are covered in the plan-

- location -

[Redacted]

• 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 - clearly operationalised, non-directional hypothesis

[Redacted]

• 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 e

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

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

• Uses and shows good understanding of ethical guidelines.

- a good range of relevant ethical guidelines of

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