Cambridge Assessment International Education

Cambridge International AS & A Level

PSYCHOLOGY **9990/42**

Paper 4 Specialist Options: Application **May/June 2022**

1 hour 30 minutes

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You must answer on the enclosed answer booklet.

You will need: Answer booklet (enclosed)

INSTRUCTIONS

- Answer **four** questions in total:
  - Answer questions from **two** options.
    - Section A: answer **two** questions.
    - Section B: answer **one** question.
    - Section C: answer **one** question.
- Follow the instructions on the front cover of the answer booklet. If you need additional answer paper, ask the invigilator for a continuation booklet.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **8** pages. Any blank pages are indicated.

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Section A

You must answer **two** questions from this section.
Answer all the parts for the two questions you choose.

Psychology and abnormality

1 Schizophrenia can be treated with medical techniques and it can be managed with psychological techniques. Medical treatments include the use of electro-convulsive therapy (ECT) and drugs such as antipsychotics and atypical antipsychotics. Schizophrenia can be managed psychologically using token economy and cognitive-behavioural therapy (CBT).

(a) Suggest **one** difference between medical and psychological techniques for treating and managing schizophrenia. [2]

(b) Explain **two** differences between antipsychotic drugs and atypical antipsychotic drugs. [4]

(c) Explain how ECT is used to treat schizophrenia. [4]

(d) Discuss the strengths and weaknesses of psychological techniques to manage schizophrenia. You should include a conclusion in your answer. [5]

Psychology and consumer behaviour

2 Porublev et al. (2009) used interviews and observations in their investigation into gift-wrapping. In one semi-structured interview, a participant stated: 'What's the point of giving a gift if you are not going to wrap it?'

(a) Explain **one** way in which a gift can be wrapped, when it is presented to a receiver. [2]

(b) Suggest **two** reasons why a semi-structured interview was used in this study. [4]

(c) Suggest **two** features of the type of observation used in this study. [4]

(d) Discuss the strengths and weaknesses of using observations to assess gift-wrapping preference. You should include a conclusion in your answer. [5]

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Psychology and health

3 Biofeedback can be used for the management of stress. Budzynski et al. (1969) used biofeedback to reduce tension headaches. Three conditions were used:

- variable pitch (correct feedback)
- constant low tone (irrelevant feedback)
- silent (no feedback).

The results of the study are shown in Fig. 3.1.

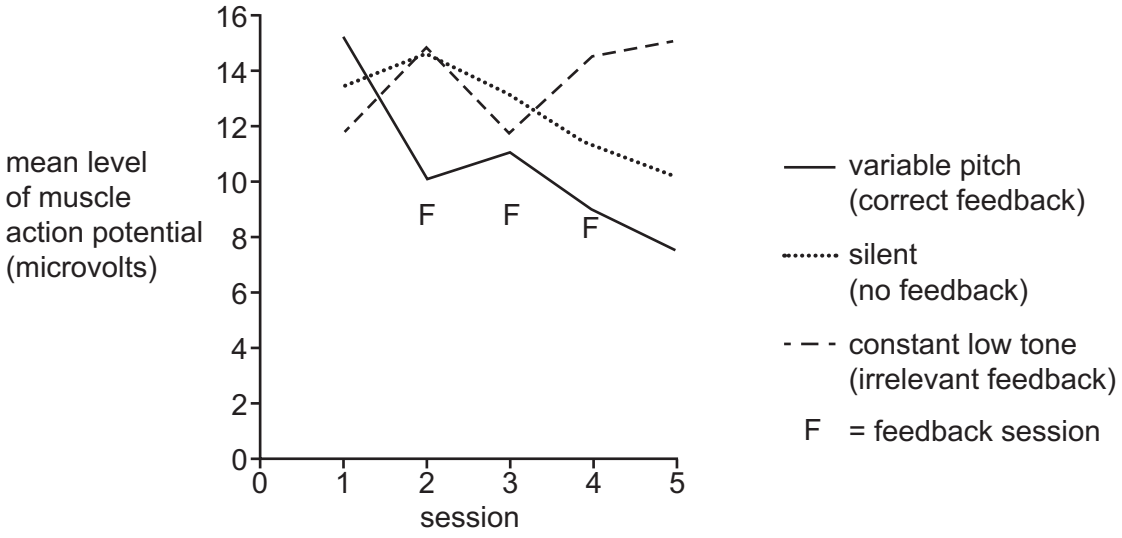


Fig. 3.1

(a) Outline what is meant by 'biofeedback', using an example. [2]

(b) Give **two** findings from the data in Fig. 3.1. [4]

(c) Suggest **two** techniques that can be used for the management of stress, other than biofeedback. [4]

(d) Discuss the strengths and weaknesses of using biofeedback for the management of stress. You should include a conclusion in your answer. [5]

Psychology and organisations

4 Job design involves matching work processes to improve a worker's interest in the task and to improve productivity. It can involve job rotation, job enrichment and job enlargement.

(a) Explain what is meant by the term 'job rotation'. [2]

(b) Suggest **one** similarity and **one** difference between job enrichment and job enlargement. [4]

(c) **(i)** Suggest **one** way in which worker satisfaction can be measured using a psychometric test. [2]

(ii) Suggest **one** way in which worker satisfaction can be measured, other than using a self-report. [2]

(d) Discuss the strengths and weaknesses of measuring job satisfaction using an interview. You should include a conclusion in your answer. [5]

Section B

You must answer **one** question from this section.

Psychology and abnormality

5 **(a)** Design a study to investigate the effectiveness of chemical/drug treatments (MAOIs, SSRIs) for depression. [10]

(b) Explain the psychological and methodological evidence on which your study is based. [8]

Psychology and consumer behaviour

6 **(a)** Design an experiment to investigate age differences in brand recognition. [10]

(b) Explain the psychological and methodological evidence on which your experiment is based. [8]

Psychology and health

7 **(a)** Design a study using a questionnaire to investigate gender differences in hypochondriasis. [10]

(b) Explain the psychological and methodological evidence on which your study is based. [8]

Psychology and organisations

8 **(a)** Design a study to investigate absenteeism on different days of the week in a food production factory. [10]

(b) Explain the psychological and methodological evidence on which your study is based. [8]

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Section C

You must answer **one** question from this section.

Psychology and abnormality

9 *'The nature versus nurture debate is irrelevant when explaining depression.'*

To what extent do you agree with this statement? Use examples of research you have studied to support your answer. [12]

Psychology and consumer behaviour

10 *'In all advertising media, there is only **one** effective way to advertise a product, for example television.'*

To what extent do you agree with this statement? Use examples of research you have studied to support your answer. [12]

Psychology and health

11 *'Psychological measures of stress are more valid and reliable than physiological measures.'*

To what extent do you agree with this statement? Use examples of research you have studied to support your answer. [12]

Psychology and organisations

12 *'Belbin's team role types are the perfect way to categorise people into team roles.'*

To what extent do you agree with this statement? Use examples of research you have studied to support your answer. [12]

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