Oxford Cambridge and RSA

Thursday 8 May 2025 – Morning

GCSE (9–1) Psychology

J203/01 Studies and applications in psychology 1

Time allowed: 1 hour 30 minutes

You must have:
- a scientific or graphical calculator

Please write clearly in black ink. **Do not write in the barcodes.**

Centre number | | | | | | Candidate number | | | | |

First name(s) _____

Last name _____

INSTRUCTIONS
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION
- The total mark for this paper is **90**.
- The marks for each question are shown in brackets **[ ]**.
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **20** pages.

ADVICE
- Read each question carefully before you start your answer.

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Section A

Criminal Psychology

1

(a) Identify which punishment means a criminal will lose their freedoms, rights, and privileges.

A Community sentence

B Prison

C Rehabilitation programmes

D Restorative justice

Your answer ☐ **[1]**

(b) Identify which punishment involves a convicted person doing unpaid work in their local area.

A Community sentence

B Prison

C Rehabilitation programmes

D Restorative justice

Your answer ☐ **[1]**

(c) Identify the appropriate term for when an offender meets their victim to make the offender aware of the consequences of their actions.

A Community sentence

B Prison

C Rehabilitation programmes

D Restorative justice

Your answer ☐ **[1]**

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2 A study was conducted to see if there was a relationship between watching violent cartoons and the number of times a child performed an aggressive act. Psychologists used a group of young children and asked their parents how many different cartoons their child had watched that week that contained violence. They also asked the parents to record the number of aggressive acts their child performed throughout the same week.

The results are shown in the table.

Participant	Number of violent cartoons watched	Number of aggressive acts recorded
1	3	9
2	6	1
3	8	8
4	1	3
5	1	7
6	3	1

(a) Using the data and scenario above:

(i) Draw a scatter diagram to display the data collected. **[4]**

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(ii) Identify the type of correlation shown in your scatter diagram.
Tick **one** of the boxes to show your answer. **[1]**

Positive ☐ Negative ☐ No correlation ☐

(b) Briefly explain whether or not the results found in this study support the Social Learning Theory of Criminality.

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..... **[2]**

3 Briefly explain why the Social Learning Theory of Criminality is said to focus too much on nurture.

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..... **[2]**

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4

(a) Name the experimental method and design used in Cooper and Mackie's (1986) study into video games and aggression in children.

Experimental method: .....

Experimental design: .....

[2]

(b) Outline **one** finding from Cooper and Mackie's (1986) study.

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..... **[2]**

(c) In Cooper and Mackie's (1986) study, a child used a 'buzzer' to show how much punishment to give. This was used to measure the level of interpersonal aggression.

Explain why the use of a buzzer as a measurement for interpersonal aggression may be a criticism of this study.

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..... **[2]**

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5 Kai struggles with impulsive behaviour and often gets into fights. Many people describe Kai as a selfish person as they do not care about other people's feelings. Kai has recently spent 6 months in prison for attacking another person.

Nina is out-going, sociable and confident. She loves going to parties, meeting new people and talking to friends.

Jamal is an anxious person who constantly feels guilty. However, this can lead to Jamal becoming very angry in stressful situations. Jamal punched his boss during a period of high stress.

Kai, Nina and Jamal are now enrolled on a programme run by a psychologist that aims to help people learn how to control themselves.

Using the source:

(a) Identify the personality type that Jamal is displaying according to Eysenck's Criminal Personality Theory.

..... **[1]**

(b) Explain why the psychologist might think Nina is displaying characteristics of extraversion as identified in Eysenck's Criminal Personality Theory.

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..... **[2]**

(c) Using your knowledge of neuropsychology, briefly describe how Eysenck's (1967) Biological Basis of Personality Theory could explain why Kai committed a crime.

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Section B

Psychological Problems

6

(a) Identify the type of neuron that fires too easily or too often according to the Biological Theory of Schizophrenia.

A Dopaminergic

B GABAergic

C Glutamatergic

D Serotonergic

Your answer ☐ **[1]**

(b) Identify which one of the following describes the 'gap' between neurons that chemical impulses are transmitted across.

A Nucleus

B Receptor

C Synapse

D Vesicle

Your answer ☐ **[1]**

(c) Identify which one of the following is **not** a criticism of the Biological Theory of Schizophrenia.

A It focuses too much on nature

B It is too deterministic

C It is too holistic

D It is too reductionist

Your answer ☐ **[1]**

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7 Until about 30 years ago, people with mental health problems were kept in psychiatric institutions or on psychiatric wards. However, people with mental health problems are now, whenever possible, cared for in the community.

Describe ways that care in the community has had an impact on society.

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8 Depression affects 1 in 6 adults in the UK. Women are twice as likely to experience depression compared to men.

A workplace study found that symptoms of depression were experienced by:
- 61% of 16–24 year-olds
- 51% of 45–54 year-olds
- 22% of 65–74 year-olds.

The study also found that 36 out of 584 workers recovered after being treated for depression.

Using the source:

(a) Calculate the percentage of 16–24 year-olds who did **not** report experiencing depression in the workplace.

Write your answer to **one** significant figure.

Show your working.

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..... **[2]**

(b) Calculate the fraction of workers who recovered after being treated for depression.

Express your answer in its simplest form.

Show your working.

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..... **[2]**

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9 Sam and Taylor have both been diagnosed with clinical depression after failing their driving tests twice. Sam said they were never going to pass the test as they were too stupid, and all driving instructors wanted to make them fail. Taylor disagreed and said they just needed to work on the areas they failed on and try again.

Using the source and the ABC Model of Clinical Depression:

(a) Identify the activating event.

..... **[1]**

(b) Name the person who has an irrational belief.

..... **[1]**

(c) Name the person who has a rational belief.

..... **[1]**

10 Explain **two** criticisms of the ABC Model of Clinical Depression.

1 .....

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2 .....

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[4]

11 Anti-depressants can improve the symptoms of clinical depression. Explain the action of anti-depressants in the brain.

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..... **[4]**

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Section C

Development

12

(a) Identify the brain development process that happens in childhood.

A The cerebral cortex is formed

B The density of synapses in the prefrontal cortex is at its peak

C The grey matter in the brain reaches maximum density

D The prefrontal cortex fully matures

Your answer ☐ **[1]**

(b) Identify the brain development process that happens in the pre-natal stage of development.

A The cerebral cortex is formed

B The density of synapses in the prefrontal cortex is at its peak

C The grey matter in the brain reaches maximum density

D The prefrontal cortex fully matures

Your answer ☐ **[1]**

(c) Identify which characteristic is measured by an IQ test.

A Egocentrism

B Fixed growth mindset

C Intelligence

D Learning style

Your answer ☐ **[1]**

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13

(a) Identify and briefly outline **one** of the four stages of cognitive development according to Piaget.

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..... **[2]**

(b) Explain **two** criticisms of Piaget's Theory of Cognitive Development.

1 .....

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2 .....

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[4]

(c) A researcher found that 12 out of 25 psychologists thought Piaget's theory was out of date.

Express this fraction as a decimal to **one** decimal place.

Show your working.

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..... **[2]**

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14* Use your knowledge and understanding from across the psychology course to explain how far you agree with the following statement:

'Research using correlations is not useful.'

In your answer, you should refer to Blackwell et al.'s (2007) study into fixed and growth mindsets and **at least one other** study from another area of psychology. **[13]**

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Section D

Research Methods

You have been asked to carry out an **interview** to investigate why teenagers in the UK decide to vape. The theory is that the main reason teenagers vape is because it looks cool.

Use this space to plan your investigation.

15 Explain what **target population** means in your investigation.

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..... **[2]**

16

(a) Identify the type of interview you will use in your investigation.

..... **[1]**

(b) Outline how you would use the type of interview you have identified in your investigation.

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..... **[2]**

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17 Explain **one** strength of using an interview in this investigation.

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..... **[3]**

18 Other than social desirability, explain **one** weakness of using an interview in this investigation.

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..... **[3]**

19 Outline the procedure you would use to collect the sample in your investigation.

In your answer you must refer to:

- the sample
- the sampling method
- how the sample will be gathered.

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..... **[3]**

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20 Describe **one** ethical issue you will need to consider in your investigation.

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..... **[2]**

21 A common problem with self-report methods is social desirability.

Explain how social desirability could affect your investigation.

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..... **[2]**

END OF QUESTION PAPER

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EXTRA ANSWER SPACE

If you need extra space use these lined pages. You must write the question numbers clearly in the margin.

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