Please check the examination details below before entering your candidate information

Candidate surname | Other names

Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Centre Number | Candidate Number

Thursday 21 May 2020

Afternoon (Time: 1 hour 45 minutes) | Paper Reference **1PS0/01**

Psychology
Paper 1

You do not need any other materials. | Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*

Information

- The total mark for this paper is 98.
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question.*
- In questions marked with an **asterisk** (*), marks will be awarded for your ability to structure your answer logically, showing how the points that you make are related or follow on from each other where appropriate.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

Pearson

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SECTION A: DEVELOPMENT – HOW DID YOU DEVELOP?

Answer ALL questions. Write your answers in the spaces provided.

1   Carol Dweck used the terms 'fixed mindset' and 'growth mindset' as part of her theory.

(a) State what is meant by a 'fixed mindset'.

(1)

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(b) State what is meant by a 'growth mindset'.

(1)

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(Total for Question 1 = 2 marks)

2   During early brain development the cerebellum develops.

Describe the role of the cerebellum during development.

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(Total for Question 2 = 2 marks)

3 Sarah is investigating whether her daughter is able to see the world from the perspective of other people.

She took her daughter to the local park and asked her to look at the playground equipment. She placed a toy robot in a different location to her daughter (see **Figure 1**).
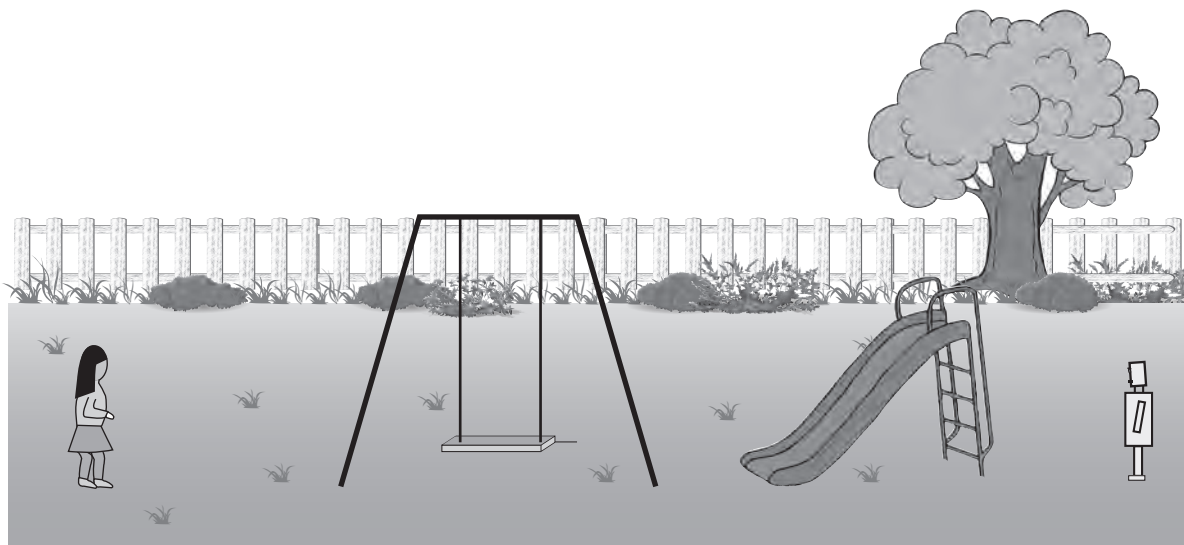
Figure 1

Sarah then asked her daughter to tell her what the toy robot can see.

Her daughter stated that the toy robot can see the swings at the front and the slide at the back.

(a) Explain which stage of cognitive development Sarah's daughter is in according to her statement.

You should refer to Piaget and Inhelder (1956) Three Mountains task in your answer.

(2)

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(b) Explain **one** strength and **one** weakness of Sarah's investigation.

(4)

Strength

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Weakness

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(Total for Question 3 = 6 marks)

4 Mr Harris's class has begun to learn about the Solar System.

He collects data on how the children in his class perform in attempting to name the order of the planets correctly in terms of their distance from the Sun.

Mr Harris tests them at the end of each day on four separate days.

A summary of Mr Harris's class's performance is shown in **Table 1**.

	Day 1 test	Day 2 test	Day 3 test	Day 4 test
Average percentage of planets placed in the correct order	32%	32%	33%	33%
Mean time taken to complete the test (in seconds)	21.9	21.0	20.8	21.2

Table 1

(a) Explain **two** conclusions that can be made using the data in **Table 1** regarding Mr Harris's class's performance on the test.

(4)

Conclusion 1

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Conclusion 2

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(b) Explain how Mr Harris could help his class improve their performance on the test.

You should refer to Daniel Willingham's learning theory in your answer.

(2)

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(Total for Question 4 = 6 marks)

TOTAL FOR SECTION A = 16 MARKS

SECTION B: MEMORY – HOW DOES YOUR MEMORY WORK?

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

5 (a) Identify the number of participants who took part in Bartlett's (1932) repeated reproduction of a Native American story called 'The War of the Ghosts'.

(1)

☒ **A** 10

☒ **B** 15

☒ **C** 20

☒ **D** 25

(b) State **two** findings of Bartlett's (1932) study using a repeated reproduction of a Native American story called 'The War of the Ghosts'.

(2)

Finding 1

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Finding 2

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(Total for Question 5 = 3 marks)

6 Define what is meant by 'retrieval' as part of the process of memory.

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(Total for Question 6 = 1 mark)

7 Lara wanted to investigate different forms of revision with her Geography classes.

Class 1 and class 2 were given a list of 12 capital cities to learn for a Geography test.

Class 1 were given grouped capital cities with the same first letter.

Class 2 were given ungrouped capital cities.

Figure 2 shows the lists given to class 1 and class 2.

Class 1 list

Paris
Prague
Pretoria

Rome
Riga
Riyadh

Astana
Amman
Athens

Lima
Lisbon
London

Class 2 list

Paris
Lima
Riyadh
Amman
London
Prague
Riga
Astana
Lisbon
Rome
Athens
Pretoria

Figure 2

Class 1 scored higher on average for the Geography test.

(a) Explain **one** reason for the higher performance of class 1 compared to class 2.
You should refer to the Multi-store Model of Memory in your answer.

(2)

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The performance of the students in class 1 is shown in **Figure 3**.

Histogram to show the frequency distribution of scores on the test for class 1
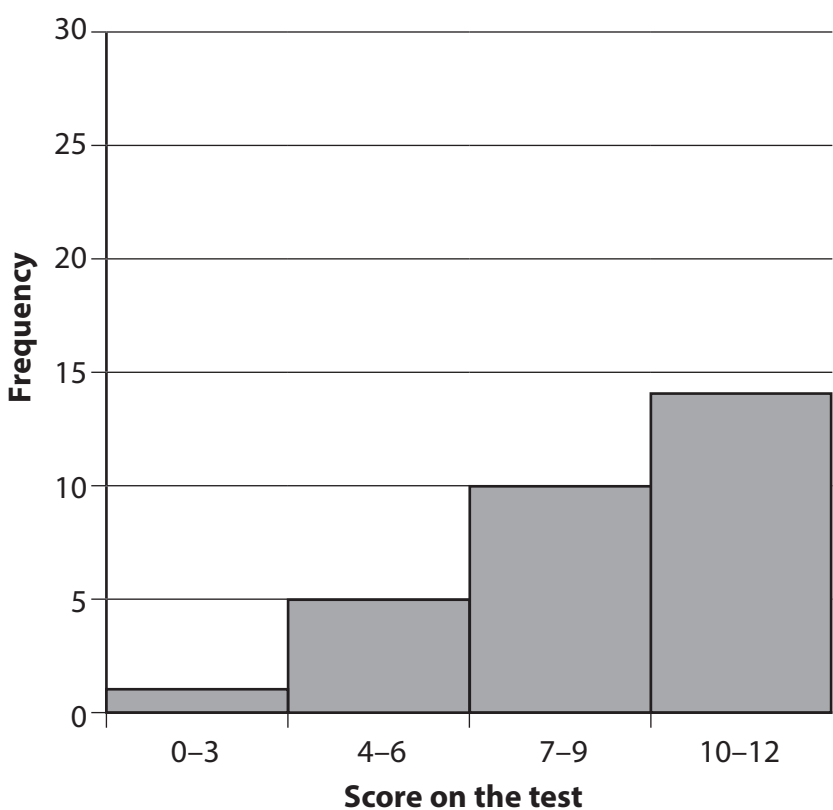
Figure 3

(b) Explain **one** conclusion that can be made regarding the type of distribution shown in **Figure 3**.

(2)

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(c) Explain **one** improvement that Lara could make to her investigation.

(2)

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(Total for Question 7 = 6 marks)

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8   Chelsea was asked to go to the shop on Saturday by her mum to buy 10 items. She tried to remember the list of items by silently repeating them on the way to the shop.

On Sunday Chelsea was asked to go to the shop again by her mum to buy 10 different items. This time she tried to remember the list of items by saying them out loud to herself repeatedly on the way to the shop.

Chelsea remembered more of the items on the list when she went to the shop on Sunday.

(a) Explain why Chelsea remembered more items on Sunday.

You should refer to Peterson and Peterson (1959) in your answer.

(2)

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(b) Explain **two** weaknesses of using Peterson and Peterson (1959) to explain Chelsea's memory of the shopping lists.

(4)

Weakness 1

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Weakness 2

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(Total for Question 8 = 6 marks)

TOTAL FOR SECTION B = 16 MARKS

P 6 1 8 0 1 A 0 1 5 4 0

**SECTION C: PSYCHOLOGICAL PROBLEMS –
HOW WOULD PSYCHOLOGICAL PROBLEMS AFFECT YOU?**

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

9 Young (2007) conducted a study into internet addiction.

(a) Identify the country in which Young (2007) carried out her study.

(1)

☒ **A** UK

☒ **B** Australia

☒ **C** Canada

☒ **D** USA

(b) Participants were given client outcome questionnaires after the 3rd, 8th and 12th online sessions and a follow-up questionnaire at a later date in Young's (2007) study.

Identify how long after the 12th online session the follow-up questionnaire was given to the participants.

(1)

☒ **A** 1 month

☒ **B** 3 months

☒ **C** 6 months

☒ **D** 12 months

(c) State **two** findings from Young's (2007) study.

(2)

Finding 1

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Finding 2

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(Total for Question 9 = 4 marks)

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10 Kesia began going to the local shopping centre after work each day and bought new clothes each time. She then found herself thinking about buying clothes and shopping all the time at work, until she found it difficult to focus on anything else.

Kesia has now bought so many clothes that she does not experience much pleasure anymore when buying them. She has got into a huge amount of debt to the extent that she cannot afford to pay her rent anymore.

(a) Explain **one** way that cognitive behavioural therapy (CBT) could be used to help Kesia's addiction.

(2)

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(b) Explain **one** weakness of using cognitive behavioural therapy (CBT) for Kesia's addiction.

(2)

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(Total for Question 10 = 4 marks)

11 Rachel is experiencing constant low moods and does not feel motivated to go to school or out with her friends anymore. She used to perform in triathlons but had a serious injury and now has stopped exercising altogether.

Rachel received some abusive messages on social media recently regarding her gaining weight, which has led to her becoming even more isolated.

Rachel has been diagnosed with depression.

(a) Explain how genes could have contributed to Rachel's diagnosis of depression. You should refer to a study in your answer.

(2)

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(b) Explain **one** weakness of the influence of genes as an explanation of Rachel's depression.

(2)

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(Total for Question 11 = 4 marks)

12 Researchers have developed a new drug called 8-Gv2, which they think may be able to help treat depression.

They gave the drug to 200 long-term depressed patients over a 12-month period. The researchers measured the self-reported symptom severity of the participants out of 10, where 10 is very severe symptoms and 0 is no symptoms at all.

The results of the follow-ups are shown in **Table 2**.

Follow-up period	Average self-reported symptom severity (out of 10)
Before taking the drug	6.4
3 months	6.4
6 months	6.2
12 months	6.3

Table 2

(a) Explain **one** conclusion that could be made from the data in **Table 2** regarding the use of the drug 8-Gv2 for depression.

(2)

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(b) Explain **one** improvement that could have been made to the drug treatment study.

(2)

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(Total for Question 12 = 4 marks)

TOTAL FOR SECTION C = 16 MARKS

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SECTION D: THE BRAIN AND NEUROPSYCHOLOGY – HOW DOES YOUR BRAIN AFFECT YOU?

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ⊠. If you change your mind about an answer, put a line through the box ⊠ and then mark your new answer with a cross ⊠.

13 (a) State **one** aim of the Damasio et al. (1994) study.

(1)

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(b) State **one** part of the procedure used in Damasio et al. (1994).

(1)

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(c) Identify **two** findings suggested from Damasio et al.'s (1994) study.

(2)

☒ **A** Broca's area was undamaged

☒ **B** The motor cortices were damaged

☒ **C** The ventromedial region of the frontal lobes was damaged

☒ **D** None of the damage occurred in the frontal lobes

☒ **E** The dorsolateral region of the frontal lobes was damaged

(Total for Question 13 = 4 marks)

14 Neha is a portrait artist who also works at a school part-time teaching Art. She has recently been struggling to recognise the difference between the portraits she has painted and has had trouble recognising the faces of people she knows. Neha has since been diagnosed with a neurological condition.

Explain **one** way Neha will be affected by the condition she has been diagnosed with.

You should refer to a concept of neurological damage in your answer.

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(Total for Question 14 = 2 marks)

P 6 1 8 0 1 A 0 2 3 4 0

15 Ishfaq is investigating the impact of damage to different parts of the brain on people's lives. He recruits a unique patient who has damage to a specific part of his corpus callosum.

The patient is asked a number of open and closed ended questions during an interview of how the condition affects his life. The patient also undergoes a number of experimental tests in the laboratory, such as being presented with an object in one hand, without being able to see the object, and being asked to name it.

(a) Explain **one** strength and **one** weakness of Ishfaq's investigation into the patient with damage to his corpus callosum.

(4)

Strength

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Weakness

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(b) Explain **one** problem that Ishfaq's patient may experience as a result of the damage to his corpus callosum in the experimental tasks given by Ishfaq.

You should refer to the role of the corpus callosum in your answer.

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(Total for Question 15 = 6 marks)

P 6 1 8 0 1 A 0 2 5 4 0

16 Ademola is investigating the role of the central nervous system. He wants to know how a new drug called 'JL-2' affects memory and behaviour.

Ademola recruits volunteers to take 'JL-2' and takes various measures before and also whilst under the influence of the drug.

The mean results of Ademola's investigation are given in **Table 3**.

		Before taking the drug	Under the influence of the drug
Memory task	**% correct**	87	86
	Time taken (seconds)	32	46
Driving task	**Coordination (out of 20)**	18	19
	Navigation (number of errors out of 10)	2	7

Table 3

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Explain **two** conclusions you can make from the data in **Table 3** regarding 'JL-2'.

Conclusion 1

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Conclusion 2

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(Total for Question 16 = 4 marks)

TOTAL FOR SECTION D = 16 MARKS

P 6 1 8 0 1 A 0 2 7 4 0

SECTION E: SOCIAL INFLUENCE – HOW DO OTHERS AFFECT YOU?

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ⊠. If you change your mind about an answer, put a line through the box ⊠ and then mark your new answer with a cross ⊠.

17 Define the term 'culture'.

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(Total for Question 17 = 1 mark)

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18 As part of your course you will have studied Haney, Banks, and Zimbardo (1973).

(a) Identify **one** of the rules included in Haney, Banks, and Zimbardo (1973).

(1)

- ☒ **A** Two supervised toilet visits per day
- ☒ **B** Three visits per week
- ☒ **C** Lining up to be counted four times per day
- ☒ **D** Three meals per day

(b) Junbin is with his friends at the park. He and his friends all have face masks and dark clothing with hoods. Junbin and his friends act aggressively towards passers by in the park.

Junbin later goes to his local shopping centre with his friends. Signs inform them that CCTV cameras are in operation in the shopping centre. They choose not to wear their face masks and put their hoods down.

Explain why Junbin and his friends may be less likely to act aggressively at the shopping centre than at the park.

You should refer to Haney, Banks, and Zimbardo (1973) in your answer.

(2)

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P 6 1 8 0 1 A 0 3 0 4 0

(c) Explain **two** weaknesses of using Haney, Banks, and Zimbardo's (1973) study as an explanation of the change in behaviour of Junbin and his friends at the shopping centre.

(4)

Weakness 1

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Weakness 2

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(Total for Question 18 = 7 marks)

P 6 1 8 0 1 A 0 3 1 4 0

19 Describe how **one** situational factor could affect bystander intervention.

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(Total for Question 19 = 2 marks)

20 Kareem is a student travelling to school by bus. When the bus arrives at the stop where he needs to get off he witnesses an older woman fall down the stairs.

Explain **one** personal factor that could affect Kareem's decision about whether to help her.

You should refer to a personal factor affecting bystander intervention in your answer.

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(Total for Question 20 = 2 marks)

21 Joe wanted to investigate conformity. He asked three friends at school to help him conduct his study and act as confederates / stooges.

Joe asked his friends to stand in a group in the corridor during Wednesday lunchtime and all look up and point at the ceiling at a particular time when a single person was passing. He then recorded the reaction of the person passing his friends, in terms of whether they looked up at the ceiling or not.

Explain **two** improvements that could be made to Joe's study into conformity to majority influence.

Improvement 1

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Improvement 2

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(Total for Question 21 = 4 marks)

TOTAL FOR SECTION E = 16 MARKS

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SECTION F

Answer ALL questions. Write your answers in the spaces provided.

*22 Amir was given a popular computer video game and console for his birthday. He began playing at the weekends with his friends but quickly wanted to play it more and also online.

Amir is now playing the game during the week and into the night. He has even said he is unwell when he was not so that he could have time off school to continue playing the game.

Amir has recently been diagnosed with addiction.

Assess the possible contribution of both nature and nurture for Amir's addiction to his computer video game.

(9)

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P 6 1 8 0 1 A 0 3 5 4 0

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(Total for Question 22 = 9 marks)

*23 Petra is visiting the local park with her mother. Whilst at the park, Petra sees a dog and becomes scared. Petra's mother tells her that the dog will not harm her and it is a pet like the cat they have at home.

Petra sees other children stroking the dog and her mother tells her to stroke the dog too. Petra is anxious and nervous but strokes the dog.

Assess Petra's behaviour using **two** areas of psychology that you have studied.

(9)

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(Total for Question 23 = 9 marks)

TOTAL FOR SECTION F = 18 MARKS
TOTAL FOR PAPER = 98 MARKS

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