

Past-paper walk-through

Sensation ■ 1.6

eXercise

Questions in this set

- 2024 Set 1 Q1 ■ 7 marks
- 2024 Set 2 Q1 ■ 7 marks
- 2023 Set 1 Q1 ■ 7 marks

Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- **//** separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = “or words to that effect” – the wording need not match.

Question 1

2024 Set 1 ■ Q1 ■ 7 marks

Concept Application. Gavin's parents took him to his favorite science museum, and he explored all of the exhibits. One of the interactive exhibits featured glass marbles. He grabbed a large marble and tried to bounce it on the ground. At one point during the visit, he became separated from his parents, and it took a few minutes for them to find him. Later that night, he drew a colorful picture of the exhibits at the museum. The next day, Gavin brought his picture with him to preschool. While his grandmother drove, Gavin talked to her about the picture. Part A ■ Explain how Jean Piaget's concept of assimilation could relate to Gavin's experience with the glass marble. ■ Explain how egocentrism could relate to how Gavin interacted with his grandmother in the car. ■ Explain how avoidant attachment could relate to Gavin when he was separated from his parents. Part B Explain how each of the following terms could relate to Gavin in this

Question 1

scenario. ■ Serial position effect ■ Motor cortex ■ Cognitive map ■ Cones in the retina

Solution 1

- Concept Application, 7 points. Points — Explain how Jean Piaget's concept of assimilation could relate to Gavin's experience with the glass marble. — Response must indicate that Gavin attempts to treat the glass marbles like "balls" by trying to bounce them on the ground. | Explain how egocentrism could relate to how Gavin interacted with his grandmother in the car. — Response must indicate that Gavin only considers his own perspective or assumes that others know what he knows when interacting with his grandmother. | Explain how avoidant attachment could relate to Gavin when he was separated from his parents. — Response must indicate a lack of distress when separated from his parents.

Solution 1

- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.

Question 1

2024 Set 2 ■ Q1 ■ 7 marks

Concept Application. Claire's sports team made it to the championship basketball game. To play the game, the teammates will need to work together to move a ball toward their own goal. They must then aim carefully to throw the ball into a hoop that is elevated about 10 feet off the ground. The winner is the team that gets the ball into the hoop the most times. Part A Explain how each of the following might help Claire be successful during the game. ■ Retinal disparity ■ Intrinsic motivation ■ Social facilitation ■ Kinesthetic sense Part B Claire's team won the championship game. Ten years later, the team got together for a reunion at the gym where the game was originally held. At the reunion, they discussed the championship game. Explain how each of the following might influence Claire's recollection of the game. ■ Context-dependent memory ■ Self-serving bias ■ Retroactive interference

Solution 1

- Concept Application, 7 points. Points — Explain how each of the following might help Claire be successful during the game. Retinal disparity — Response must indicate that the difference in visual signals from each of Claire's eyes allows her to see depth, which helps her be successful during the game. | Explain how each of the following might influence Claire's recollection of the game. Context-dependent memory — Response must indicate that Claire remembers more about the game because she is in the same physical location where she encoded the memory.
- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.

Question 1

2023 Set 1 ■ Q1 ■ 7 marks

Concept Application. Part A Steve is in the kitchen happily making breakfast for his four children, who are all playing together in the living room. After hearing a loud crash, Steve becomes quite upset and rushes into the living room, where he sees a lamp shattered on the floor. The children are watching television, and no one is trying to clean up the lamp. Explain how each of the following relates to the scenario. ■

Soundwave amplitude ■ Procedural memory ■ Diffusion of responsibility ■

Dispositional attribution ■ Ghrelin Part B Instead of asking the children what happened, Steve immediately turns off the television and sends them all outside to rake the large amount of leaves in the backyard. Steve stays irritable for the rest of the day. Explain how each of the following relates to the scenario. ■ Authoritarian parenting style ■ Steve's high level of the Big Five trait of neuroticism

Solution 1

- Concept Application, 7 points. Points — Explain how each of the following relates to the scenario. Question 1: Concept Application 7 points Soundwave amplitude — Response must indicate that relevant to the scenario, a loud sound is associated with high soundwaves, or a soft sound is associated with low soundwaves. | Explain how each of the following relates to the scenario. Authoritarian parenting style — Response must indicate that Steve is demonstrating a parenting style that includes high control, no discussion of expectations or consequences (one-way communication), or that focuses on obedience and discipline.
- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.